

Ship of Dreams

By Allan Weiner

It was a ship full of dreams. Dreams of broadcasting on international shortwave. Dreams of sending hopeful messages from many people transmitted over the air.

The Voyager Broadcast project was the hope and dream of many. Financed by a man of God, Brother Stair of the Overcomer Ministry, the station was to be an outlet for religious programming and the right of free speech.

The Voyager ship was a converted fishing trawler 140 feet long by 30 feet wide. She was planned to be fitted out with four shortwave transmitters, and was in the process of repair and restoration in Charleston harbor South Carolina.

The ship was to set sail in early February for southern waters where she was to broadcast from a safe anchorage in Belize territory. (The Country of Belize is located on the Yucatan peninsula in central america about 600 miles south of the United States.) It was not to be so. On January 19, 1994 at 8:30 AM EST, The Federal Communications Commission aided by U.S. Federal marshals and the U.S. Coast Guard, sized the M.V. FURY and almost immediately began to debowel her of all her radio equipment.

One day later it was all gone. Transmitters, tubes, parts, test equipment, personal stereos, transformers, cable, insulators, tape recorders, CD's, antennas, towers, cassette machines, all the stuff that make up a radio station-gone No arrests, no hearings, nothing The reason? The FCC claims to have identified transmissions from 12:10 AM EST to 3:21 AM EST on January 14, 1994 which they claim were pinpointed to the location of the ship. I was on board the vessel at the time an I observed no such transmissions between those times and none were technically possible with the existing equipment.

I built the radio station on board the FURY for the Overcomer Ministry. As the engineer, I advised the owners of the ship to secure all legal registry and ships radio licenses. This was done; I insured everything was to be done by the book. The FURY was issued a ship registration and radio station license that would make it entirely legal to broadcast once the vessel arrived in Belize territory.

At Charleston harbor no broadcasts came out of the FURY while I was on duty. In fact only two of her four transmitters were partially restored. Of these two only one could be applied primary filament power. None of the transmitters were ready to broadcast-period Furthermore there was no available source of transmitter power.

Both transmitter generators were down for final installation and repairs. The main generator was inoperative due to a fuel leak and the backup generator had a burned out regulator.

So the question remains, why was an entirely legal radio station destroyed without a hearing and due process? What is going on here? Does the FCC possess such fear that they will disregard all assemblage of personal rights, international law, and due process?

As a radio engineer it pains me to see such wanton destruction of personal property for no reason. The Overcomer Ministry had invested large sums of money and time to make this floating radio ship of GOD and freedom a reality. All to be destroyed because someone in Washington D.C. apparently doesn't like Brother Stair or me.

Dear reader, I think now is the time to take a "hard look" at the Federal Communications Commission and their policies of total disregard of law and due process; especially the so called seizure laws in which they legally "steal" personal property.

Is this a nation of laws or government brytes? I thought a fair hearing and trial is guaranteed all.

The ship owners plan to seek restitution from the government. Many questions remain.

A radio station, a printing press of the air, has been smashed. Please protest this illegal action by the FCC to your Congressperson. Only Congress can stop the madness.

Allan H. Weiner, Radio Engineer, 507 Violet Avenue, Hyde Park, NY 12538.

PIRATE CONNECTION 7

The Scandinavian Free Radio Magazine

Kämnärsvägen 13D:220, 226 46 Lund, Sweden

PC SPRING ISSUE:

- * THE SHIP OF DREAMS (MV FURY)
- * THE SECRETS OF NORWAY!
- * THE HITCHHIKER's GUIDE TO PIRATE RADIO!
- * RADIO SAFARI INTERNATIONAL
- * JYVÄSKYLÄ MAILDROP RAIDED!
- * CURRENT PIRATE LIST!



The transmitter in the studio of Starshine Radio.

This is **Pirate Connection**, a Free Radio magazine focusing on Scandinavian, European and North American pirate radio. PC is published 5 times a year (January, April, June, August, October) and the contents will in many respects be dependent on contributions from our readers. Everyone is therefore invited to send in just anything that may be of interest, news, logs, articles etc.

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The money can be sent by cash (in any currency) to Stefan or be sent to Stefan's personal postal giro account 690708-2710 (add SEK28 if transferring to our giro account from abroad!!!). Please don't send any checks or coins.

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Editorial

Welcome to another 'bumper' issue of Pirate Connection. We have just past the Easter weekend and to my surprise the conditions were good and stable with very little fading noted. Especially the UK stations came in very well here! From now on the "Pirate Log" will be replaced by the "48 Report". I more or less kicked Göran from the job, but I don't think he's too depressed about it, because it's in my opinion a 'dirty work'. But somebody has got to do it. Thank you Göran for your enormous work with the logs in Pirate Connection, I feel a great admiration for your efforts! Göran still writes the pirate loggings in "On Air" (issued by Malmö Shortwave Club) and has been doing so for the last 10 years! A nice surprise of the articles I got this time was "The secrets of Norway" by José Anderson, operator of **Channel Europe**. In his article, many 'secrets' about the Norwegian pirates are revealed. For instance, did you know that **Radio Makahari** and **Christian Broadcasting Network** both originate from Norway? Another very interesting feature, the "Hitchhiker's guide to operating a pirate station" (by anonymous author), gives you a thorough description on pirate radio operation, how to start your own station, hints on equipment and how to avoid the authorities etc. Read and enjoy! Lastly, I just got a story about MV Fury, written by the station engineer Allan Weiner himself. The raid FCC carried out against Fury is a very sad story, it ended before it started! However, the case will be taken up in court and hopefully the staff of Fury can win their equipment back. Let's hope that there is still justice in this world! Stefan

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Deadline PC8: Contributions Friday May 20th 1994. Articles Wednesday May 25th 1994.

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EURO PIRATE SCENE

Zender Black Eagle was a new appearance to me on WEaster Sunday April 3rd on 6205 kHz in a QSO with **Zender Meteor**. The station had a very, very strong signal, probably using several hundreds of watts! If anyone knows the address of this station or have any further info, please contact me at the PC address. SPZ

Radio Brod is reported to have closed down on February 28th due to financial troubles. BP

The well-known Chelmsford maildrop used by some of the UK based pirates, were busted by the police at the end of March. This means that all stations with this address can't be contacted at the moment.

Radio Campogalliano is a new Italian station heard on 1398 kHz. DXF

Citadel Radio International publish an A4 format newssheet with info on the station and other Free Radio news. New to the station is **Dave Cooper**, ex **Empire Radio** and **Radio Apollo**!! Dave is presenting a classic rock show. Send 1 USD or 1 IRC for your own copy. Address: unknown for the moment as the Chelmsford address has closed, but they should have a new address soon. SPZ

Radio Driland is a new German station that was heard by Lars on January 29th on 3918 kHz. The station uses the Wuppertal maildrop address. LAY RB

Radio Dr. Tim is a relatively new pirate from Germany that was relayed by **Ozone** on January 30th on 6210 kHz. Contact address is Wuppertal. FRS SPZ

Several Dutch pirates are doing QSOs each Wednesday from 16-18 UTC on 76 metres (±3932 kHz). **Radio Pirana International** and **Radio Fusion International** report they will also try to join the QSOs. RB SPZ

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A new pirate publication is the **Free Radio Info** magazine issued by Radio Wahnsinn. It's all in German and number 2 features inside stories on the raid of Radio Orang Utan, interview with Radio Popcorn, latest info on Wahnsinn activities and a lot more. Sample copy costs 5 DM. For more info, write to Wahnsinn at the Wuppertal maildrop. SPZ

Good Music Radio are new from UK and were heard for the first time on January 8th. They broadcast on 6280 kHz with 25 W of power. GMR also broadcast locally on FM with 100 W. You can contact the station by calling +44 850 750002 or by writing to GMR, Towers, Beccles, Suffolk in England. PCH



Green Music Radio International have started regular night-time broadcasts on Saturday nights according to this schedule: 23-0 UTC on 6990 kHz, 0-1 UTC on 3020 kHz and 1-2 UTC on 6990 kHz. The power is 200 W and they have been reported many times on 3020 kHz by different DX-ers throughout Europe. DX-magazine "Contact" also reports the station having been on 6289 kHz on January 9th at 1.00 UTC. RB RR

Heavy Dude Radio is currently off air. Something is wrong with the transmitter, probably one of the tubes is broken. Mr Heavy Dude says he will try and come on air as soon as possible, but you may have to wait a while. SPZ

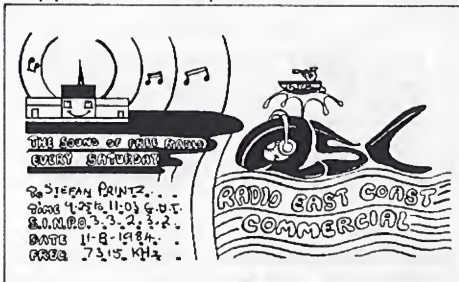
Laser Hot Hits have resumed broadcasting from a few years back and can now be found on 48 metres with sporadic transmissions. First heard on February 13th on 6219 kHz and then again on Easter Sunday April 3rd on 6225 kHz. SPZ



As we told you in PC6, **Radio Merlin International** were raided on January 30th. They lost 2 shortwave transmitters plus the studi! The FM and MW rig was not taken however. RMI have already a new SW transmitter and is due to return very soon!. RB

Radio News from **Free Radio Campaign Germany** and ex-staff of the **PIN-magazine** is now available again and comes in a handy and well-made A5 format with lots of photos and info on offshore, pirate radio and satellite radio. The mag is issued twice a year (February and August) and costs DM15 for a one year subscription. Address: KFWF, Box 220342, 42373 Wuppertal in Germany. LAY

Onda Caliente is a new station via **Radio Europe** on 7294 kHz USB. The first programme went out on March 6th in English, French and German with a male and female DJ. QSL-cards is available via the Wuppertal maildrop. BP



Radio Orang Utan (c/f PC6) returned to the airwaves only one week after the raid, testing a new transmitter on 6205 kHz! Since then "the monkey" has been heard a handful of times, but the signal strength of the "new" ROU is much weaker than the old one. May we hope that op Freddie will increase power soon! RB SPZ

Radio Review is a new mag from UK, including offshore news and other radio news. Cost is £7 pounds sterling for 4 issues (Europe) or 1.50 pounds for a sample copy. Address: P.O.Box 46, Romford RM1 2QE, England. ACE

Southern Music Radio from New Zealand is soon to be relayed by the **Swedish Short-wave Relay Service** on 48 metres. The programme will go out as soon as SSRS receives the tape from SMR. SPZ

German station **Starline Radio** and **Radio Pirat** had a QSO on Sunday afternoon February 20th on 76 metres at around 18 UTC. After a while, an official utility or coast station came onto the chan-

nel, saying that they should leave the band immediately, as 76 metres is "a band for commercial stations only". RPI and Starline then moved from 3927 kHz down to 3900 and continued the QSO. But the guy from the coast station followed and intervened the QSO once again, now telling them that he would report them to some office in central Europe (probably some commission handling international frequency conventions). RPI and Starline then finished the QSO, but shortly after, Starline called CQ on the band again... Op Jorge of RPI is a little bit worried about this incident and says that it will be more wise for the 76 metre pirates to broadcast in LSB just like the HAMS. USB mode is only used by commercial or national utility and coast stations etc. SPZ

Radio Stella International had their transmitters destroyed in a fire. Operator Jock Wilson says they were seriously damaged, but hopes to be back in May with a new relay service on 76 and 39 metres (7500-7700 kHz). Prices are £5 for 1 hour. The transmitter is crystal-controlled and giving an output of 150 W (4 807 valves). Address: 82 Pentland Place, Kirkcaldy, Fife KY2 6AQ, Scotland. FRS

Subterranean Sounds returned to 76 metres on Saturday 5th last weekend on 3905 kHz and listeners can expect fairly regular broadcasts on there from now on. A telephone number was announced during the programme and about 10 listeners called in. 48R JAL

INTERNATIONAL SHORTWAVE BROADCASTING

EMERALD

RADIO GROUP

DUBLIN IRELAND

to STEFAN NIKWIZ AK LUNN SWEDEN

MANY THANKS FOR YOUR REPORT ON:

1670 SAMURAY 1944
at 10 10 hrs on 62-25 kHz
4.8m, 15 power 100 watts
Antennae Winco - 35 ft
7.5 - 11 - 17.1 - 21.1 - 25.1



Long-runner **Radio Titanic International** has issued a new history info-sheet called "The Complete RTI Story" and it takes you back

to the year of 1975 when the station started and tells what happened in the life of RTI to present date. There is also an outlook on the future which says that broadcasts are planned on English bank holidays and occasional Sundays 5 or 6 times a year. It's a very well-made little info booklet and you can order it (2 USD?) by writing to the Wuppertal maildrop. SPZ

WGAS announced they were closing down on Sunday March 6th and will instead be concentrating on a new FM project which sometimes may be heard on shortwave! WGAS transmit from Wexford at the east-coast of Ireland with 120 W and have been noted lately on 6220 kHz. LAY RB SPZ

I just received an interesting letter from my dear friend Artiom in Moscow. He tells that the operator of **Radio Without Borders International**, Igor, has been very busy with other things than broadcasting recently. Besides, he has had troubles with the antenna. However, RWBI is still alive & kicking! He tried to go on air on March 12th but failed. RWBI celebrated its 3rd birthday in March but unfortunately, they were not able to come on air. However, a new attempt will be made this month (April). So do listen out for RWBI on 76 metres. The pioneer from Russia is still alive! SPZ

RWBI

Contributors & sources

ACE	- Michael Andersson, Sweden
BP	- Bruno Pecolatto, Italy
DXF	- DX-Fokus March 1994
FRS	- FRS Goes DX 127
FS	- Fabien Serve, Palaiseau, France
JAL	- Jonny Augustsson, Sweden
JRG	- Jorge R Garcia (R Piraña Int)
LAY	- Lars Andersson, Sweden
PCH	- Pirate Chat 39/40
RB	- Rainer Brandt, Germany
RR	- Rick Ransom, Finland
SPZ	- Stefan Printz, Sweden

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 * Phone line open daily (9.00-22.00 UTC) on +46 46 137624 *
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FREQ.	STATION	TIME (UTC)	PROGRAMME/INFO	Q Con/Sca
Saturday January 29th 1994				
1636	Toekomst	22.19	D/E	-/3
1641	Radio Valencia	22.16	D/E	-/4
6238	R.Wahnsinn / Insanity	08.25-	G, pops	3/-
7294	R.Europe	09.30-	I, pops in USB mode	4/-

Sunday January 30th 1994

1636	Radio Utopia	22.33	E, add ann	-/3
1636	Barones	23.20	E, usual px Sun evening	-/5
3915	Live Wire R.	00.59-02.00	E, rock format	4/4
3915	Radio Moonlight	02.03	E, QSO with LWR, ex R.X	-/2
3924USB	Radio Delta (tent name)	18.04	E, QSO with Pirana	-/2
3925	Radio Pirana Int.	17.10	E, QSO	-/2
6210	R.Dr.Tim	9.50-	G, via Ozone R.	2/2
6210	Ozone R.International	10.20-	E, pops	2/-
6210	Radio Pirana Int.	15.10-15.20	E	-/3
6219	Angel International	12.25-	E, pops, FM outlet too	2/-
6225	Emerald R.International	10.29-	E, pops	2/1
6229	Jolly Roger R.	09.20-	E, pops	2/-
6233	R.Speranza	10.05-	Ital, religious infos	2/-
6238	R.Scottish Montreal(CRSM)	08.00-	E, politics	3/-
6238	R.Wahnsinn / Insanity	09.40-	G, pops	3/-
6238	Belgian Int. Relay S.	10.40-	E, loop IDs	3/2
6238	R.Merlin International	10.58-	E, pops, raided!!!	3/2
6255	R.Pirana International	10.15-	E, pops	2/4
6295	R.Caroline	08.00-	E, pops, relay of rel.px	4/4
6398v	R.Brigitte	08.55-	E, pops	3/-
6410	unid, tent. R.Dublin	10.10-	E, ultra low mode	1/-
7294	R.Europe	08.45-	Ital, pops, USB mode	4/-
7420	Idea R.	09.20-	Ital, very low signal	2/-
7480	R.Benelux	08.59-	G, pops	3/-

Saturday February 5th 1994

1635	Utopia	00.48	E, dance music	-/3
1645	Radio Barones	00.44	E	-/4
3910U	Starshine Radio	23.00-23.55	E, later QSO	-/2
3910U	Sierra Foxtrott 03	23.58	E, QSO w Starsh. & Wave	-/3
6295	R.Caroline	19.05	E, rock music	-/2
7125	Int Music R - V o Basel	13.34-13.46	E, dance & rock mx	3/-

Sunday February 6th 1994

1642	UNID Greek (R Soas??)	00.30	Greek, folk music	-/3
1645	R.Barones	00.30-01.05	E,D, pop oldies	4/5
3021	Green Music R.Int.	00.00-00.45	Russian, pops	-/2
3910	Wave Radio Int.	00.06	E, QSO w SF03 & Starsh.	-/2
3915	Radio Fusion Int.	00.05-01.00	E, story about XMAS	-/2
3915U	Starshine Radio	00.40-00.55	E	-/2
6012	Tele R.Stereo	08.45-	Ital, pops	3/-
6200	Radio Delta (Ruurlu?)	10.23	D, mx, test	3/3
6219	Angel International	12.10-	E, pops	2/-
6225	Emerald R.International	09.20-	E, pops	3/2
6229	Jolly Roger R.	09.23-	E, country music	2/-
6233	R.Speranza, Modena	07.44-	Ital, religious talks	3/-
6240	Britain's Better Music	St.12.19-12.31	E, CQ to Ozone,TX info	4/-
			DJ: Gary Stevens	
6248	Transatlantic R. tent	08.40	E, Box 4427, Rotterdam address	-/3
6255	R.East Coast Commercial	10.10-12.01	E, DX infos	3/3
6270	R.Safari International	12.03-	E, Pink Floyd special	3/-
6270	Radio USA	13.30-14.03	E, Wellsville maildrop	
6273	unid	09.46-09.52	music, very low mode	3/-
6280	WGAS	09.21-10.05	E, pops	3/3
6295	R.Caroline	08.11-08.50	E, pops	4/3
6911	R.Dublin, tent.	10.44-	E, pops, very low mode	2/-
7295U	Radio Europe (tent)	09.29	Italian	2/-
7380	Idea R.	12.35-	Ital, pops	2/-

Monday February 7th 1994

3945	R Pirana Int	00.00	E, QSO with LWR	-/2
3945	Live Wire Radio	00.00	E, QSO with RP1	-/3

Sunday February 13th 1994

720	Radio Brod	02.27	E	-/4
1645	Radio Barones	02.10	E	-/4
3910	UNID	01.35	Weak station	1/-
3920	Radio Pirana Int.	01.47-02.05	E, QSO with Wave	4/-
3920	Wave Radio Int.	01.55-02.05	E, QSO with Pirana	3/-
3926	Radio Pirana Int.	23.02-23.35	E, pops, PChat adv	2/-
3927U	Radio Fusion Int.	23.40-00.20	E, calling Pirana	3/-
3927U	Radio Pirana Int.	23.45-00.25	E, QSO with Fusion	4/-
3932	Radio Moonlight	00.55-01.30	E	-/2
6202	unid	10.19-	modulation tests	4/-
6211	R.Diamond	09.35-	E,D,music	2/-
6219	Laser Hot Hits	09.56-10.30	E, test, Merlin address	3/-
6229	Jolly Roger R.	08.20-	E, music	2/-
6233	R.Speranza, Modena	09.51-	Ital, religious talk	3/-
6248	Trans Atlantic R.	09.40-	E, pops	2/-
6258	R.Pirana International	10.13-	E, talk abt FR Norway	3/-
6270	Welle Wahnsinn\Crazy Wave	R.09.49-	G, letters	2/-
6276	Subterranean Sounds	09.54-10.00	E, music, deep fading	2/-
6280	unid, tent Ozone R.	10.07-10.30	E, oldies, very low	3/-
			talk, audio music ok	
6285	R.Marabu	09.00-	E, via WGAS	3/-
6290	Subterranean Sounds	12.05-	E, much talk	3/-
6911	R.Dublin	09.15-	E, very low mode	2/-
7294	R.Europe	09.12-	Ital, pops in USB	4/-
7484	R.Marabu, tent.	09.20-	E, music	1/-
12265	Wrekin R. Int.	09.40	E	-/3

Monday February 14th 1994

3927USB	Sierra Foxtrott 03	00.16	E, QSO w Fusion/Pirana	-/1
3930USB	Radio Fusion Int.	22.40	E, CQ	-/3

Saturday February 19th 1994

3910	Starshine Radio	22.57-00.02	E	-/3
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Sunday February 20th 1994

1634	Toekomst	23.45	D, QSO	-/4
3021	Green Music R.Int.	00.10-	Russian, rock music	2/-
3925	Radio Fusion Int.	23.13-23.40	E, disco, CQ	-/3
3927	Starline	appr 18.00	E, QSO w Pirana	-/3
3927	Radio Pirana Int	appr 18.00	E, QSO w Starline	-/3
			Both on 3900 later on	-/3
6211	R.Diamond, Den Helder	08.35-	E,D, test	3/1
6225	Emerald R.International	08.43-	E, pops	3/3
6229	Britain R.International?	09.40-	E, Roger Davis	2/-
6229	Jolly Roger R., tent.	11.10-	E, music	2/-
6233	R.Speranza, Modena	00.00-11.57	Ital, religious music	2/2
6237	R.Meteor	09.05-09.33	E/Finnish	-/3
6237	R.Meteor	10.18-10.46	E/Finnish	-/3
6248	Trans Atlantic R.	09.00-09.35	E, jingles	3/-
6252	UNID	11.02	Popmusic, s/off	-/2
6252	unid, German	13.05-	G, music	2/-
6255	Free R.Norway	10.17-	E, music	3/2
6256	R.Meteor	11.14-11.25	E/Finnish	-/3
6258	Radio Northsea (tent)	11.15	Northsea jingle	-/1
6290	Xenon Transmitting Co.	11.13-12.25	E, pops	3/2
6295	R.Pirana International	04.00-08.53	E, USB mode, test to NA	4/4
6541	unid Italian HAM	11.12-	Ital, excellent mode	4/-
7294	R.Europe	09.00-	E/It, USB, gold.classics	4/-
7366	R.Meteor	09.35-09.54	E/Finnish	-/3
7373	R.?, "The Voice of Hardrock"	10.13-11.00	E, Rueil address	2/-
			only music by "Europe"	
7373	R.Waves International?!	11.00-	E, pops	2/-
7380	Idea R.	08.50-	Ital, test loop	3/-
7414	FRS Holland	08.49-12.15	E,G, via WGAS ?!	3/2
7419	WGAS	08.26-08.35	E, interview BIRS op	3/-
7423	WREC, R.Free East Coast	10.35-10.55	E, jokies, BRS address	4/3
7484	R.Marabu	09.08-	E/G, alternatives	3/-
9980	R.Meteor	10.48-11.08	E/Finnish	-/3
9980	R.Meteor	11.28-11.54	E/Finnish	-/3
9984	R.Meteor	09.58-10.11	E/Fin, fade in and out!	2/3
9985	R.Marabu	10.40-12.40	E, Indie Top 10	2/-
11401	Radio Waves Int.	11.20-12.50	E	-/4

Saturday February 26th 1994

6295USB	R Pirana International	22.45	E, test, heard in Italy!	-/2
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Sunday February 27th 1994

6200	R.Orang Utan	09.30-	E, test, 100 watts	4/1
6200	R.Wahnsinn / Insanity	09.28-	G, letters, call the donation for Freddy	4/1
6200	R.CLCG / R.Popcorn	10.45-10.54	G, pops	4/-
6202	unid, sounded German	12.03-12.08	G, German pops	1/-
6213	R.Brigitte	12.25-	E,G,D, letters	3/-
6225	Emerald R.International	08.10-	E, pops	3/1
6229	Jolly Roger R.	08.08-	E, Country music	3/1
6233	R.Speranza, Modena	07.15-	Ital, religious talk	4/-
6251	Free R.Germany	09.30-	G, Swedish, music	3/-
6255	R.Pirana International	04.00-09.00	E, LSB mode, test to NA	3/4
6262	unid	11.00-	music	2/-
6262	Radio Pirana Int.	17.50	E, test, LSB	-/2
6285	FRS London	11.28-11.30	E, ID, off	2/-
6290	Xenon Transmitting Company	12.05-	E, unscheduled show	3/-

Sunday February 27th 1994 (continued)

6556	Hit R.Exact	10.10-	D, off air relay from VHF?! good mode here!	4/-
6275	R.Kapina	10.10-11.05	Finnish	-/3
7294USB	R.Europe	09.00-	Ital, pops	4/2
7410	unid	09.30-09.33	music	4/-
7480	R.Benelux	09.33-	G, pops	4/-
7513	R.Brigitte	10.08-	E,D, music	3/-
12265	Wrekin' R.International	09.40-	E, pops	3/3

Monday February 28th 1994

6254	R.Pirana International	19.20	E, test, 40 W	-/2
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Tuesday March 1st 1994

3905	Subterranean Sounds	23.30	E, QSO	-/2
3905LSB	Live Wire Radio	23.40	E, QSO	-/3
3905LSB	S.F. 03	23.46	E, QSO	-/2
3905LSB	Radio Pirana Int.	23.50	E, QSO	-/3

Wednesday March 2nd 1994

3932	R.Moonlight	17.30	QSO	-/3
3932	Meteor	17.43	QSO	-/3
3933	Delta Bravo	18.02	QSO	-/3

Thursday March 3rd 1994

6255	R.Pirana International	22.50	Test	-/2
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Saturday March 5th 1994

3405USB	R.Starline	22.55	E	-/2
3905	Subterranean Sounds	23.56-	E, pops, infos	3/3
3910	UNID	23.35-	Russian?	1/-
3918	R.Pirana International	23.48-	E, CQ call, AM mode	3/-
6295	R.Caroline	10.30-13.30	E, pops	3/3
6298USB	R.Pirana International	17.20	E, test	-/3
6911	Dublin Community R.	13.20-	E, very low mode	3/-
7294USB	R.Europe	09.05-	Ital, pops	4/-
7380	Idea R.	09.10-	Ital, loop tape	3/-

Sunday March 6th 1994

1645	R.Barones	00.40-	E, pops	4/5
1647	Radio Delmare	02.03	D, QSO w Baro, Toulouse	-/3
3021	Green Music R., tent.	00.25-	Russian, rock music	2/-
3904	R.Pirana International	20.30	E, AM, 30 W	-/2
3905	Subterranean Sounds	00.00-00.30	E, pops, address	3/4
3913	R.Moonlight	00.31-00.38	E, CQ to Pirana & SF03	2/2
3913	R.Moonlight	12.55-!!	E, ID, Pink Floyd music	2/-
3915LSB	R.Pirana International	01.00-01.58	E	-/3
3920	R.Pirana International	00.15	E, QSO	-/3
3920	Sierra Foxtrott 03	00.18	E, QSO	-/3
3921LSB	R.Pirana International	00.10-	E, QSO to SF03, QSY 48m	3/-
3921LSB	Sierra Foxtrott 03	00.15-	E, QSO	2/-
3925	R.Pirana International	22.50	E, AM, 30 W	-/3
6201	TBS R., "Trans".Dutch ?	12.08-12.13	E, CQ call	4/-
6203	WNKR	09.40-	E, test, warm up?!	3/-
6208	unid	12.05-	music	1/-
6220	WGAS	10.08-	E, pops	3/2
6229	Jolly Roger R.	09.30-	E, country music	2/1
6233	R.Speranza, Modena	07.00-	Ital, religious talk	3/-

Sunday March 6th 1994 (continued)

6240	Ozone R.International	10.32-	E, pops	3/1
			from 10.40 Pope QRM	
6255LSB	R.Pirana International	00.25	E, QSO w SF03	-/2
6255	Sierra Foxtrott 03	00.27	E, QSO Pirana	-/2
6255	R.East Coast Commercial	10.00-11.07	E, pops, DX infos	3/2
6260	R.Pirana International	00.45	E, QSO	-/3
6270	Crazy Wave R./Welle Wahnsinn	10.01-	G, complaints on German cassette stations!	3/-
			E, pops, QRM, bad mode	2/4
6280	FRS Holland	08.59-	music	1/-
6285	unid	13.05-	E, rock format	4/3
6295	R.Caroline	09.00-	Sp, political talk	3/2
6306	La Voz del CID	07.00-	E, techno music	2/-
6401	unid	10.05-10.20	D, pops	3/-
6555	Hit R.Exact	12.50-	Ital, pops //7380	2/-
7120	Idea R.	12.55-	Ital, pops	4/-
7294USB	R.Europe	07.05-	Ital, pops, bad mode	4/-
7380	Idea R.	07.05-	E, Indie Top 10	2/-
7380	R.Marabu	10.10-	Donna Summer, test, s/off	4/4
7410	R.Fusion International	10.47-10.56	E, Halden address, pops	3/4
7410	R.Fusion International	11.22-12.22	D, test, 1-2-3, CQ	4/-
7416	unid	10.30-	Papa Alfa 30 Alfa Charly	
			G, pops, CQ call	3/-
7474	R.Starline	09.50-	E, pops //11401 kHz	3/-
7484	R.Waves International	07.33-10.57	E, rock music	3/-
7484	R.VHR, Voice of Hardrock	11.18-	E, pops	3/-
7511	R.Brigitte	10.16-	E, oldies //7484 kHz	3/2
11401	R.Waves International	09.29-	E	-/2
12265	Wrekin R.International	11.22		

Saturday March 12th 1994

1645	R.Barones	22.30-23.27	E, asked for QSO	4/4
3885	US American HAMS	23.40-	E, QSOs in AM mode	3/-
3902	Level 48	23.50	G	-/2
3905	Level 48	22.40-23.30	G, pops, deep fading	1/-
6295	R.Caroline	10.00-	E, pops	3/-
7380	R.Marabu	13.45-	E, indie mx, via Idea	3/-

Sunday March 13th 1994

1631	Casablanca	00.17	D, Dutch music	-/2
1640	Calypso	01.00	D, QSO	2/-
1640	Vrije Vogel	13.00	D, overmodulated, D.mx	5/-
3905	Level 48	00.37	G	-/3
3932	R.Moonlight	16.17-16.40	E, rock format	3/-
6225	Emerald R.International	10.20-11.20	E, pops	2/3
6229	Jolly Roger R.	08.06-10.38	E, pops, C&W	2/2
6233	R.Speranza, Modena	10.00-	Ital, religious music	2/-
6253	Level 48	07.51	G	-/3
6254	R.Pirana International	13.54-	E, test	3/-
6262	UNID German station	08.14	G, see news	-/2
6295	R.Caroline	10.02-17.25	E, pops	3/3
6305	R.Pamela	10.24-	E, rock music	2/-
6399	Optimod	09.47-	E, media via Angel R.	3/-
6399	Angel International	11.30-	E, pops	3/-
6910	Dublin Community R.	10.00-10.07	E, very low mode	3/2
7125	Calypso R.	12.30-	G,E, Swiss address	3/-
7294	R.Europe	09.00-	Ital, pops, USB mode	4/-
7380	Idea R.	10.05-	Ital, pops	3/-
7380	R.Marabu	09.15-	E, via Idea R.	3/-

Friday March 18th 1994

1628	UNID Greek	23.30	Greek folk music	2/-
1635.1	Tijdbreker	23.30	D	2/-
1645	Toekomst	23.30	D, music	3/-

Saturday March 19th 1994

1635.6	Ome Jan	18.35	D/E, address ann.	2/-
1645	Barones	23.50	D, QSO	4/-
1645	Utopia	23.55	?, poor signal	1/-
3918	Starshine R.	23.00-00.00	E, 60/70s mx	-/2
3932	R.Moonlight	17.35-	D, QSO	3/-
3932	R.Jimmy	17.39-	D, QSO	3/-
3933	R.Meteoor	17.45-	D, QSO	4/-
3933	R.Black Eagle	18.30-	D, QSO	3/-
6229	Jolly Roger R.	09.35-	E, country music	2/-
6295	R.Caroline	09.30-	E, pops	3/-
7125	R.Francis Drake	12.05-13.05	G, music, via IRRS	4/3
7294USB	R.Europe	09.00-09.20	Ital, pops	4/-
7294USB	R.Doctor Tim	10.20-10.40	?, 1 year anniversary	2/-
7380	Idea R.	08.50-	Ital, bad mode	3/-

Sunday March 20th 1994

1645	Spanningszoeker	00.00	D, QSO	2/-
1645	Schaduwjager	00.10	D, QSO	2/-
1645	Toulouse	00.20	D, QSO	1/-
1645	Barones	00.50	D/E	4/4
1645	Nooitgedacht	09.10	D, asking for QSO	2/-
1645	Vrije Vogel	14.00	D, test, poor mode	5/-
3905	R.Jimmy	09.56-10.01	D, CQ call, music	4/-
3906	R.Daiwa	10.01-10.06	D, QSO to Jimmy	3/-
3910	UNID tent German	00.00	G	-/2
3913	R.Moonlight	10.06-	D, QSO to both above	3/-
3920	UNID Russian?	00.00	R, female voice!	-/3
3932	unid	17.30-17.31	music, s/off	3/-
6220	WGAS	06.54-09.20	E, Carol.spec., bad mode	3/2
6229	Jolly Roger R.	09.16-	E, pops	2/-
6233	R.Speranza, Modena	09.30-	Ital, religious show	2/-
6240	unid	10.25-	music	1/-
6255	R.Pirana International	09.09-10.00	E, Spanish, pops, LA mx	3/4
6257	Xenon Transmitting Company	11.37-	E, music	2/-
6275	unid	09.55-	E, music	2/-
6280	unid	10.55-11.05	Nonstop music	3/-
6285	R.Safari	11.39-11.50	E, Pink Floyd music	3/3
6285	R.Starline	09.31-09.45	G, German oldies	3/-

6295	R.Caroline	09.10-	DJ: Johnny Pepperony	
6400	Optimod	10.20-	Wuppertal address	
6400	Angel International	13.20-	E, with Roy Masters	3/-
6555	R.Brigitte	11.40-	E, media infos	2/-
6558	R.Brigitte	13.23-	E, pops	2/-
7294	R.Europe	08.00-	D, E, music	4/-
7294	R.Dr.Tim	10.50-	D, QSO to Armada	4/-
7380	Idea R.	09.00-	Ital, pops in USB	4/-
7423	unid	11.15-	G, via Europe in USB	4/-
7484	R.Waves International	08.33-	Ital, pops, bad mode	3/-
7484	R.Perfekt	09.30-09.51	rock music	3/-
12265	Wrekin' R.International	11.50-	E,F, pops	3/2
			G, letters, country mx	3/-
			E, pops	2/-

Wednesday March 23rd 1994

3932	R.Moonlight	18.10	D, QSO with Meteoor	-/3
3932	R.Meteoor	18.13	D, QSO with Moonlight	-/3

Saturday March 26th 1994

1636	R.Pelikaan	22.45	D, birthday show for	3/-
1645	R.Barones	23.00	D, David in England	4/-
1645	R.Toekomst	00.40-	D, music	4/-
3905	R.Daiwa	09.54-	D, QSO	3/-
3910	R.Daiwa	19.00-	D, pops	3/-
3913	R.Moonlight	09.48-	D, QSO	3/-
3915	R.Pirana International	23.55-23.59	E, 48 report, AM mode	3/-
3918USB	Starshine R.	23.00-00.00	E	-/3
6220	WGAS	12.40-	E, Caroline recordings	3/-
7125	R.Francis Drake	12.20-	G, rock via IRRS	4/-
7294USB	R.Perfekt, tent.	11.40-	G, country music	4/-
7294USB	R.Europe	12.00-	Ital, pops	4/-
7380	Idea R.	12.00-	Ital, pops	3/-

Sunday March 27th 1994

1582	R.Calypso	09.40-	D, music	3/-
1639	R.Sylvania	20.45	D	3/-
3905	WGAS	00.45-00.47	E, pops	2/3
3910	UNID (tent German)	00.00	G	-/2
3910	Reflections Europe	20.02	E	-/4
3915	R.Pirana International	00.00-00.06	E, rock music, s/off	3/3
3915USB	Sierra Foxtrott 03	00.10-	E, QSO Starshine	2/3
3915USB	Starshine R.	00.11-	E, QSO with SF03	3/3
3915USB	R.Pirana International	00.14-	E, QSO with SF03	3/3
3920	UNID (Russian)	00.00	R,female voice,bad mode	-/3
3925	R.Pirana International	22.50	E, later QSO in USB	-/3
3925USB	Sierra Foxtrott 03	23.36	E, QSO with Pirana	-/3
6207	UNID (Dutch)	09.14-09.18	D, test 1-2-3, polka, no 10	4/3
6210	UNID	09.36-	pops, not Ozone	1/-
6210	Ozone R. International	09.42-	E, pops, talk	3/-
6220	WGAS	07.48-09.48	E, pops, later carrier	3/2
6229	Jolly Roger R.	09.16-	E, pops	3/-
6234	Britain R. International	10.00-	E, pops //7360	4/-
6239	UNID	11.58-	music	2/-
6254	R.Pirana International	11.00-	E, pops	3/-
6254	R.Adelante	16.05	E, repeat of old px	-/2
6295	R.Caroline	09.30-	E, Roy Masters, pops	3/-
6516	UNID	07.57-	music	2/-
6557	R.Brigitte	09.15-	E,G,D,F, pops	3/2
6911	Dublin Community R.	10.35-	E, very low mode	2/-
7294USB	R.Europe	07.50-	Ital, pops	4/-
7294USB	R.Perfekt	09.15-10.30	G, country music	4/-
7294USB	R.Marabu	10.40-11.00	E, pops	4/-
7360	Britain R. International	10.00-	E, pops, //6234	3/-
7380	Idea R.	07.50-	Ital, pops	3/-

April Fool's Day Friday April 1st 1994

6232	Fake Starshine R.	10.29-	E, joke show	3/-
6279	Ozone R., tent.	09.45-	E, pops	2/-
6282	Voice of Germany	08.00-	G, tx test	3/-
6285	Fake Starshine R.	12.50-	E, repetition of 6232	3/-
6293	UNID	12.24-12.48	non stop rock + punk	3/-
6294	Wee Guy R.?!?	08.02-	E, spoof extracts	4/-
6295	UNID	12.48-	non stop QSY from 6293	3/-
6299.5	R.Orion, back!!	10.10-14.30	E, pops	3/-
7380	Idea R.	10.00-	Ital, pops	3/-
7457	R.Pandora	11.30-	E, dull mode	3/-
7484	R.Waves Int. (tent)	11.32-	E, music	2/-
3905	Subterranean Sounds	23.54-23.59	E, live test, bad mode	4/-
6232	Fake Starshine R.	10.17-10.49	E, pops, spoof	3/-

April Fool's Day Friday April 1st 1994 (continued)

6279	Ozone R.International, tent.	09.45-	E, pops	2/-
6282	Voice of Germany	08.00-08.30	G, transmitter test	3/-
6285	Fake Starshine R.	12.54-	E, repetition of 6232	3/-
6293	UNID	12.24-12.45	non stop pop, QSY	3/-
6294	Wee Guy R.?! or XTC?	08.02-	E, fake extracts of	3/-
	(April Fool's Day spoof!!)		Free Radio stations	
6295	UNID	12.47-	non stop pop, like 6293	3/-
6299	R.Orion	10.10-14.30	E, pops	3/-
7380	Idea R.	10.00-	Ital, pops	3/-
7457	R.Pandora (tent)	11.30-	E, dull mode, pops	2/-
7484	R.Waves International	11.32-	E, pops	2/-

Saturday April 2nd 1994

3905	Subterranean Sounds	23.30-00.30	E, test	3/4
3910	UNID ("... R.")	22.55-	E, pops	3/-
6220	Optimod	08.45-	E, media infos	2/-
6295	R.Caroline	10.10-	E, pops	3/-
7385USB	XEROX / R.Duplicado !!	00.30-00.50	E, Sp, Wellsville QRA	3/-
	(April Fool's Day spoof)		US station	
7415USB	N.A.P.R.S. !!	05.47-06.12	E, test to Europe	2/-
	(=North American Pirate Relay Service)		Wellsville address	
7473	R.Waves International	10.30-	E, pops	3/-

Easter Sunday April 3rd 1994

1637	R.Delta, Ruurlo	22.20-	D, QSO	3/-
1642	Japie de Blitzkikker	22.25-	D, QSO	3/-
1645	R.Santana	22.30-	D, QSO	3/-
1645	R.Barones	22.40-	D, QSO	4/-
1645	R.Utopia	22.45-	D, QSO, jingles	3/-
1645	Curacau	22.??	D, QSO	??/-
1645	Mexico	22.??	D, QSO	??/-
3905	UNID	23.55-	Russian ?, bad mode	2/-
6205	Zender Black Eagle	12.05-12.09	D, QSO with Meteor	-/5
6205	Zender Meteor	12.07	D, QSO with Black Eagle	-/2
6210	Ozone R.International	10.28-12.23	E, rock music, s/off	2/2
6220	WGAS	07.55-10.45	E, pops	2/2
6225	Laser Hot Hits	08.58-09.20	E, pops	3/-
6229	Jolly Roger R.	08.25-10.30	E, pops	2/1
6233	R.Speranza, Modena	09.20-09.30	Ital, religious talk	3/-
6255	R.East Coast Commercial	08.45-10.50	E, pops, DX-programme	3/4
6259	UNID	10.20-	E, music	2/-
6270	R.Safari International	10.50-12.05	E, pops	3/-
6279	Ozone R.International	09.50-	E, pops	2/-
6295	R.Caroline	08.00-10.00	E, pops	3/4
6911	Angel International	09.10-10.25	E, pops	2/1
7294	Dublin Community R.	10.00-	E, pops, low mode	3/-
7294	R.Europe	09.00-	Ital, disco music, USB	4/-
7373	R.Waves International	09.30-	E, pops	2/-
7380	Idea R.	10.00-	Ital, pops	3/-
7473	R.Dr.Tim	10.30-	G, country mx, via RW1	3/-

Easter Monday April 4th 1994

3905	Subterranean Sounds	15.20-	E, pops	2/-
6220	WGAS	08.20-10.10	E, pops	2/2
6229	Jolly Roger R.	09.20-09.35	E, pops	2/1
6240	UNID	10.30	Very weak	1/-
6255	R.Pirana International	11.55-	E, pops	3/-
6270	Crazy Wave R.	09.21-11.05	G, pops	2/4
6290	Xenon Transmitting Comp.	09.32-10.13	E, s/off	2/2
6290	Xenon Transmitting Comp.	13.25-13.35	E, said: unheard in UK	3/-

6295	UNID	11.20-	E, music, CQ call	2/-
6400	Optimod	07.55-	E, media news	2/-
6400	Angel International	10.10-11.35	E, pops	2/-
6425	UNID	08.30	Very weak	1/-
6911	Dublin Community R.	10.00-	E, pops, low mode	3/-
7294USB	R.Europe	09.00-	Ital, disco music	4/-
7380	Idea R.	10.00-	Ital, pops	3/-
7441	R.Waves International	08.20-	E, not // 7484, final bcst?	3/-
7484	R.Waves Int./W.C.S.	08.20-10.40	E, pops not // 7441	2/-

S.R.S - There 4 U

Swedish Report Service, the S.R.S - we are there for You.

If you hear that the station you are listening to, is mentioning that they are connected to the Swedish Report Service, you know that you can send your reception reports to the S.R.S, to get in contact with this station.

As an extra bonus to our Scandinavian DX-ers, we can mention that we are working in co-operation with the Dutch Pirate Radio Service (DPRS). So if you hear a mediumwave-pirate, you can send your reception reports to the S.R.S.

When you write into the S.R.S, you should always remember to include one extra IRC, one extra US-dollar or 5 SEK.

Our mailingaddress: S.R.S
Ostra Porten 29
442 54 YTTERBY
SWEDEN

The Swedish Report Service- we are there for you!

Contact Pirate-Chat? Write to the S.R.S!

Pressemitteilung // Press release

Since the 7th of March Radio Marabu is on the air daily on shortwave. The exact transmission times are as follows:

Monday - Friday: 12.30 hours up to 13.30 hours MESZ on 7380 kHz and 7120 kHz
Saturday and Sunday: 10.00 hours up to 11.00 hours MESZ and
14.30 hours up to 15.30 hours MESZ on 7380kHz and 7120kHz

The transmission power on 7380 kHz is 5 kW, on 7120 kHz 50 Watt. The programs are relayed by Idea Radio Network from Genova/Italy.

TEL/FAX 0541186713

RADIO MARABU

P.O. BOX 220 342 - 42373 WUPPERTAL

ONE EIGHT SIX

I thought I was hearing things recently when a **Radio Preston** popped up on 183 metres. This was actually **Radio Noordzee** with one of his decoy IDs.

New stations are not so common now on mediumwave what with all the RCD activity and the worsening QRM situation. However, **Radio Horizon** burst forth onto the band recently in Dutch and English. The address is: Box 108, 7720 AC Dalfsen, The Netherlands.

Flandria is back in the air after his recent brush with the authorities and so too is **Tydbreker**.

The premier MW club of the UK, "The Medium Wave Circle", has recently and suddenly announced that they will no longer accept loggings of Dutch pirates unless they are transmitting a programme. In other words CQ-calls and QSO-contacts are not accepted.

The reason was given as follows: "This is intended to make the logging information of value to other listeners who might seek out the station." What a load of codswallop!

That might be all very well for regular high power broadcasters but, even for non-pirate DX-signals, a date, time and frequency is no guarantee that you are bound to hear the station. There are just too many variables for that to be so. I suspect the real reason is the clubs general dislike of pirates and the need for more space to print other things which don't lower the tone of the magazine.

Anyway, thank goodness I can still send my logs to Pirate Connection and other pirate publications, where they are appreciated and I get a positive response, rather than the "Oh no, not more bloody pirates" attitude. Well, that's that off my chest, now back to the band.

Derek Taylor
12 Dorman Road
PRESTON, Lancs
ENGLAND PR2 6AS

Try tuning in to 1569 kHz on Sunday afternoons. **Radio Soto** has a new regular music programme here and reception is quite good in northern Europe.

It looks like there is a third '**Mexico**' transmitting on MW. The only information I have at the moment is that his QTH is Twenteland. His voice does sound very familiar though and I suspect this is an established pirate with a change of name.

Conditions on MW have been very poor over the past month, due to some severe disturbances on the sun's surface. However, things should now start to improve as we eagerly await the approaching sunspot minimum, when MW conditions are at their best.

Keep listening. Here are the logs:

Freq	Station	Date	Sign
1569	Soto	940306	DT
1589	Bontekoe	940313	DT
1591	Atlantis (UK)	940220	DT
1591	Japie de Blitzkikker	940306	DT
1593	Ome Jan	940306	DT
1597	F16	940311	DT
1598	Radio 807	940306	DT
1599	Korak	940313	DT
1605	Texta Cowboy	940227	DT
1606	807	940213	DT
1631	Flandria	940217	DT
1635	Thoreline	940211	DT
1635	Veronicus?	940306	DT
1636	Felix	940208	DT
1636	Newspaperman	930228	DT
1636	Preston	940205	DT
1636	Verona	940228	DT
1636	Vrÿe Vogel	940304	DT
1637	Horizon	940226	DT
1637	Mexico	940303	DT
1637	Safari Park	940225	DT
1638	Golfbreker	940227	DT
1638	Kontakt	940227	DT
1638	K. Fu/Moonl./Cal.	940305	DT
1639	ÿsselpiraat	940208	DT

1641	Toulouse	940227	DT
1643	Black Power	940226	DT
1643SSB	Delmare	940306	DT
1644	Talisman	940303	DT
1645	Bremen	940227	DT
1645SSB	Victoria	940306	DT
1645	Zeetyger	940228	DT
1646	Horizon	940306	DT
1647	Gr. v. Monte Cristo	940303	DT
1647	Ysselpiraat	940305	DT
1650	Ome Jap	940303	DT
1655	Toulouse	940306	DT

Latest notes:

Radio Scotland should return to MW some time in April. In the summer of 1994, Albert will test on SWI

A test was heard on 1591 kHz from Atlantis in Liverpool, Uk. This on 20th of February at 21.39 UTC.

Regular Sunday afternoon programmes noted from Soto on 1569 kHz. Good reception in UK.

P R E S S R E L E A S E

The Free Radio Campaign - Finland Post Office Box 82, FIN-40101 Jyväskylä, Finland has been closed down. No mail sent to that box will reach FRCF any longer. In the future all mail should be sent to FRCF via Right-Wing Radio, P.O.Box 220342, D-42373 Wuppertal, Germany.

All mail to Finnish pirates using the Wuppertal-box have to be sent only via Wuppertal-box. The Finnish stations that now have no other address, can be reached via other Finnish stations using the Wuppertal-box.

The reason for this close-down is a massive raid to the home of the owner of the Box 82 in Jyväskylä, Finland. In the raid 3 policemen and one radioinspector took away a huge amount of papermaterial, letters, receptionreports, radios, etc. That is why it seems impossible to run a P.O.Box in Finland at the moment.

We are down - but not gone.

Keep on the fight for the free radio.

Written by: DJ Tex Willer, Right-Wing Radio, P.O.Box 220342, D-42373 Wuppertal, Germany.

Latest news

After several years of absence, popular Dutch Radio Torenvalk was heard on Easter Sunday on 6210 kHz at 14.21 UTC by Jonny. He reported very good signal strengths. David at Pirate Chat also report the station was active on Easter Monday on 6206 kHz at 11.00 UTC. Radio Torenvalk said that they intend to do regular broadcasts from now on. Whether there will be any mediumwave broadcasts is not known. In the mid 80's, Torenvalk was the most active and regular international Dutch pirate on 1094 & 1508 kHz and was very popular among the audience. The address is still Box 24, 7038 ZH Zeddam, NL.

OFFSHORE RADIO

Chris Edwards!
P.O.Box 1514
LONDON W7 2LL
ENGLAND

I (Stefan) have to make a stand in this time as Chris didn't send his offshore report to us this time. I guess he's been too busy with the latest Offshore Echo's magazine which just arrived here. More about that issue later.

As reported in great haste last time, the MV Fury was boarded by FCC officials on Wednesday January 19th at 8.30 local time. The vessel was about to leave the harbour of Charleston and sail to the Caribbean and anchor off the coast of Belize during the winter, and then sail on to Spain this spring. The Charleston "Post and Courier" writes in an article published the day after the raid: "Last Friday, agents from the F.C.C. located the source of an illegal broadcast after driving around Charleston in an undercover truck filled with high-tech communications gear. They obtained a court order Tuesday claiming the broadcasts were made from the transmitters aboard the Fury." The FCC rented a crane and removed equipment worth \$500,000. In an interview with Allan Weiner by Chris Edwards, Allan says that the raid is tragedy. Without his knowing, somebody made some amateur packet transmissions at the end of December and that started the whole thing. The religious leader and, as he call himself, prophet, Brother R.G. Stair, who has financed most of the project, now says that it is all over, but they will sue the FCC to get the equipment returned. Allan sent in a legal declaration in early February to the Federal Court, stating that no illegal broadcasts were made from the MV Fury. Despite the outcome of a probable future trial against the FCC, Allan says that the MV Fury project is finished: "There's no future for this ship, I'm sorry". He continues to describe his feelings about the raid: "The way I feel now, I'm so sick of radio, how many times can you bang your head against the wall? You build stations, you think you're doing everything right and then something stupid comes along and ruins it. To me this whole

situation is worse than what happened with the Sarah, we put it out there. OK, they didn't want it, they'd have killed us all if we'd kept broadcasting because we're such a threat. But at least the fruits of our labour were not violated, we still had the ship, we could decide to sell the thing, we still had the hardware. But this, we couldn't even get out of the harbour, and then the ship is raped. Forgive me, but that's how I feel and how everyone else feels. Brother Stair stuck hundreds of thousands of dollars into this thing."

Radio Brod off the Yugoslavian coast has stopped broadcasting due to lack of money. Whether the ECC is intending to continue supporting the ship is not known. Hopefully Chris will bring further details about Brod in next issue.



Offshore Echo's have just published their March issue from which the news above was taken. It celebrates both the Caroline 30th birthday and Offshore Echo's own 20th birthday by memorial articles and newspaper cuttings. It also includes a feature on the MV Fury with a very interesting interview with station manager Allan Weiner. Highly recommended and a must for all fans of offshore radio! Sample copy you get for £3.60 or \$5. Address: Offshore Echo's, Box 1514, London W7 2LL, England.

THE 7415 REPORT

Chris Lobdell
P.O.Box 146
STONEHAM
MA 02180, USA

Well folks, here we are again with another report from America. Activity on the pirate bands has been a bit slow due to poor propagation conditions, but things have picked up again in the past couple of weeks.

WPIG - Rest In Peace. Yes, this station was busted by the FCC on the 19th of February. Since early January, Ira the pig had been broadcasting from the "Bundymobile" at Bum's Lane in Woodbridge, New Jersey. After making his latest broadcast on February 19th, he was paid a visit by an agent of the New York City FCC office along with local police. His transmitter was not taken, just "inspected" but he was warned not to operate out of band again. Surprisingly enough, this "mentally challenged" individual has a Ham license. So I guess we'll have to say goodbye to WPIG, Radio Pigs, Inc.

Radio Doomsday (Wellsville), one of the most active stations during December and January, continued to broadcast during February and March. They were noted on the 22nd of Jan. on 7405U at 2320 and on March 20th on 7385U at 0144. This station's operator, Nemesis, has created a bit of an uproar by issuing no-data letters in response to some reception reports. Not a good practice if you ask me.

He Man Radio (Blue Ridge Summit) was active on the 6th of February at 1430 on 7415U. He Man was complaining about transmitting from a frozen hillside in Ohio. He also related a story about meeting a pretty young woman in a cornfield and getting drunk with her. **Radio Gumby International** came on over He Man, but soon signed off after realizing what he had done.

CRSM-Radio Scottish Montreal (Blue Ridge Summit/Merlin). DJ Rob Roy hosted another interesting show on the 12 of February at 2200 on a frequency of 7425 kHz. Programming included information on

New Zealand, upcoming festivities in the Montreal area. Rob also thanked the Belgium International Relay Service for the European relays of CRSM.

The **North American Pirate Relay Service** (NAPRS) (Wellsville) continued to be quite active. On the 5th of February, they relayed the European station, **Radio Titanic International** on 7412 kHz at 2230. On the 13th of February, they relayed the Swedish pirate **Heavy Dude Radio** on 7415 kHz from 2230-2300, then right after that, the children's free radio station, **Radio Lollipop** was aired! **Radio Stella International** was relayed on March 5th from 2230 to 2300 on 7413 kHz. Jock Wilson was promoting his new 150 watt AM transmitter to see if any one wanted to purchase air time.



Wire Line Radio (Blue Ridge Summit) has active again, using their 2 kw AM transmitter! They were heard on February 13th on 7415 kHz from 2020 UTC, again at 2120 and around 2300 UTC. Programming included music by Steely Dan, Suzanne Vega and talk about Full Disclosure magazine. He said he was getting bored with pirating and might retire.

WJLR (Blue Ridge Summit) always seems to broadcast a nice well modulated USB signal and this time was no exception. DJ Dave Stone was heard on the 19th of February at 2300 UTC on 7415 kHz. He said the American people should throw the current politicians "out the door in 94" when election time comes. QSLs were to be sent out soon he said. WJLR was also heard again on March 5th at 2320 UTC on 7417.5

kHz.

Solid Rock Radio (Wellsville). Heard again after a short vacation. J. BeBop Brown was noted on 7415U at 2345 on February 19th, just after WJLR signed off. Listener's letters were read, and the pirate publication, The ACE was heavily promoted. The signal started to fade after 0005.

Black Liberation Radio (Wellsville) made an appearance via the transmitting facilities of **Solid Rock Radio** on 1 April at 0030 on 7465 kHz. The program was an interesting one on the New World Order and the massacre at Waco, TX. Black Liberation Radio is an FM station but was relayed by Solid Rock Radio's Dr. Love. Tapes of the show were offered for sale for \$6.00.

Friday, April 1st was April Fools Day here in the USA and **XEROX/Radio Duplicado** made it's annual appearance! Noted at 0030 and 0145 on 7385 kHz in the USB mode. The DJ, Bart Sambo played Jamaican tunes and Andean music. IDs were in both Spanish and English.

Radio USA (Wellsville) was noted signing on 7415 at 1739 on April 2nd. Mr. Blue Sky and Joe King hosted the program of thrash punk rock music. Reception was poor here in the northeastern USA.

Radio Esoterica (Stoneham) returned to the air after an absence. They were noted with strong AM signals on 7385 kHz from 2212 to 2242 utc on April 2nd. It was part one of two featuring a history of the '60s. Programming included music by Pearls Before Swine and a children's radio drama called Space Cadets was aired. I can't wait for part two to see if the kids are attacked by the UFO, hi!

Trans-Atlantic cooperations. During the first months of 1994 several "out of US origin stations" were relayed in the USA and seemed to have been quite successful there! Here are the facts: **Southern Music Radio** on 7435 on January 29th via the NAPRS. **Radio Titanic International** on January 30th on 7408 and 7410, on February 3rd, 5th, 13th on 7415 via the NAPRS and on February 12th on 7417 via WREC. **Heavy**

Dude Radio on February 26th on 7415 and last year November 14th on 6295 via the NAPRS. A **Radio Lollipop** tape were heard too each weekend in February. Most of the shows were made in the USB mode, the rest in the AM mode! At least Radio Titanic gave some more information about the results: They received more than 32 reports and the operators learnt that there is a long distance reception up to 2000 km and more when there were the relays in the afternoon local time in the USA and Canada (which is 23.00 UTC or 5 pm in the afternoon there!) The question is why the Euro's do not try Europe's local time (± 17.00 UTC) for transmissions in the 41 metre band or in the 75 metre band as well? There is a good chance for long distance reception on 41 metres and normal local reception in the 75 metre band! Otherwise we think the US pirates aren't aware about the overcrowded bands here in Europe most of the day! Finally on April 2nd, 1994 2 US stations were heard in Europe with a fair Trans-Atlantic reception and a distance of about 6000 km: **XEROX/Radio Duplicado** on 7385 (appeared each year as a spoof station on April Fool's Day) at around 00.40 UTC and the **North American Pirate Relay Service** (N.A.P.R.S.) on 7415 kHz at around 06.00 UTC!

At the present time best reception for US stations is from 23.00 to 06.00 UTC on 7385, 7415 and 7485 kHz in the USB mode - the frequencies are clean except 7415 from 04.30 to 05.30 UTC when there is the VOA Botswana relay! Please give the stations a try for Trans-Atlantic reception or try it yourself to reach the USA and Canada! The best indicator for good long skip conditions are the CHU time signals from Canada - the reception is possible when the CHU can be well heard on 7335 kHz!

More US tests to come: In April the **NAPRS** hopes to test each and every Saturday morning on 05.35 UTC onwards on one of the above frequencies! Don't mix US pirate signals with Central American fishing boats talking Spanish in USB mode - but when you can hear them the reception might be possible for all other small transmitters!

CURRENT PIRATE LIST 37

By Stefan Printz, Derek Taylor & Chris Lobdell. Compiled by Stefan Printz.

[illegible]

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Shortwave

Radio 48 (UK).....	32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England
Radio 75.....	Box 10, Sevastopol 335024, Ukraine
Radio Ability.....	17 Barlborough Road, Clowne, Near Chesterfield, Derbyshire S43 4RA, England
Radio Action.....	Box 26, 7030 AA Wehl, The Netherlands
Radio Adelante.....	Stefan Printz, Kämnärvägen 13D:220, 22646 Lund, Sweden † ♣
Radio Albatros.....	Unknown D
Alternative Shortwave.....	Box 130, 92504 Rueil Cedex, France
Angel International.....	65 Lucknow Street, Portsmouth, Hampshire PO1 1PP, England
Radio Anorak.....	105 Newport Road, Leyton, London E10 6PH, England
Radio Antenne West.....	Box 220342, 42373 Wuppertal, Germany
Radio Aries.....	Box 220342, 42373 Wuppertal, Germany
Radio Armadillo.....	Box 220342, 42373 Wuppertal, Germany
Radio Atlantis International.....	Box 6105, 5190 Stolberg, Germany
Baltic Coast Radio.....	Robert Petraitis, Box 493, 5802 Klaipeda, Lithuania † ♥
Radio Bandolero.....	Box 4057, 8600 GB Sneek, The Netherlands
Radio Barnboy.....	Unknown £
Belgian International Relay Service.....	Unknown £
Radio Benelux.....	Box 386, 5900 AJ Venlo, The Netherlands
Radio Black Eagle.....	Unknown D
Radio Black Sea International.....	c/o Artiom Prochorov, Box 29, Moscow 109444, Russia † ♥
Radio Bluebird.....	Box 10, 9540 AA Vlagtwedde, The Netherlands ◇
Radio Bobby.....	Box 220342, 42373 Wuppertal, Germany
Radio Bonanza.....	RWR, Box 220342, 42373 Wuppertal, Germany
Radio Brigitte.....	Brigitte van Gelder, Box 10, 7954 ZG Rouveen, The Netherlands †
Radio Bristol.....	Unknown F
Britain's Better Music Station.....	Unknown £
Britain Radio International.....	32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England
	Box 130, 92504 Rueil Cedex, France
Radio Caldonia International.....	Box 763, 3100 AT Schiedam, The Netherlands
Radio Caroline.....	Radio Caroline, Box 963, London SW20 8XL, England
Radio Carrier Wave.....	Box 2188, 3000 CD Rotterdam, The Netherlands ◇
Radio Casablanca.....	Ringstraße 9, 26836 Stapelmoor, Germany
Radio Catapulte.....	Box 220342, 42373 Wuppertal, Germany ♥
Radio Centurion.....	Box 443, 5500 AK Veldhoven, The Netherlands
Channel Europe.....	Box 220342, 42373 Wuppertal, Germany
Radio Chaos.....	c/o California, Box 220342, 42373 Wuppertal, Germany
Christian Pirate Bc Network.....	Stefan Printz, Kämnärvägen 13D:220, 22646 Lund, Sweden † ♣
Citadel Radio International.....	Unknown £
Radio City.....	Box 220342, 42373 Wuppertal, Germany
Clandestine Radio Society.....	Box 220342, 42373 Wuppertal, Germany
Radio CLCG.....	Wilfried Meyer, Box 540101, 47151 Duisburg, Germany †
Radio Colonia.....	Box 220342, 42373 Wuppertal, Germany
Concept FM.....	18 Glynne Street, Bootle, Liverpool L20 6DX, England
Crazy Wave Radio (Welle Wahnsinn).....	Box 386, 5900 AJ Venlo, The Netherlands
Radio Crystal International.....	Unknown £
Radio Daiwa.....	Box 102, 7360 AC Beekbergen, The Netherlands ◇
Radio Darkness.....	Unknown J
Radio Delmare.....	Box 432, 3330 AK Zwijndrecht, The Netherlands ♥
Radio Delta (A).....	Box 41, 8080 AA Elburg, The Netherlands
Radio Delta (B).....	Box 65, 7260 AB Ruurlo, The Netherlands ◇
Radio Diabolo.....	Box 220342, 42373 Wuppertal, Germany
Radio Diamond.....	Box 3037, 1780 GA Den Helder, The Netherlands ♥
Radio Diamond International.....	Box 35, Moscow 115516, Russia
Radio Diana.....	Box 220342, 42373 Wuppertal, Germany
Radio Driland.....	Box 220342, 42373 Wuppertal, Germany
Radio Dr. Tim.....	Box 220342, 42373 Wuppertal, Germany ♥

Radio Dublin	Box 2077, Dublin 8, Ireland
Radio Dutch Boy	Box 13, 7710 AA Nieuwleusen, The Netherlands ◇
Dutch Pirate International	Box 41, 8080 AA Elburg, The Netherlands
Radio DX34	Box 100350, 7016 Gerlingen, Germany
Radio East Coast Commercial	RECC, K Flats, 9-11 Church Street, Cromer, Norfolk NR27 9ER, England †
Radio East Coast Holland	RECH, Box 536, 7900 AM Hooogeveen, The Netherlands ◇
East Coast Radio	Unknown £
The Edge	105 Newport Road, London E10 6PH, England
Eifelwelle	Box 200740, 41207 Mönchengladbach, Germany
Emerald Radio International	ERI, 8 Inverness Road, Dublin 3, Ireland
Radio Equinox International	REI, Box 130, 92504 Rueil Cedex, France
Radio Experimental	c/o Ozone, 32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England
Radio Europa International	Via F Gerardi 6, 25124 Brescia BS, Italy
Radio Europe/101 Network	Via Davanzati 8, 20158 Milano, Italy P
European Pirate Radio	EPR, 14 Stone Row, Coleraine, County Londonderry BT52 1EP, Northern Ireland
Radio Fantasy	Box 1137, 96118 Bischberg, Germany
Farmyard Radio	32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England
Radio Flatland	Unknown £
The Fox AM	Box 386, 5900 AJ Venlo, The Netherlands
Radio Francis Drake	Box 220342, 42373 Wuppertal, Germany
Radio Freedom	Unknown
Free Radio Germany	Box 386, 5900 AJ Venlo, Holland
Free Radio Norway	Box 220342, 42373 Wuppertal, Germany
Free Radio Service Holland	FRSH, Box 2727, 6049 ZG Herten, The Netherlands †
Free Radio Service London	Unknown £
Radio Free Wales	RFW, Caernarvon, Wales
Radio Freeway	14 Stone Row, Coleraine, County Londonderry BT52 1EP, Northern Ireland
Radio Fusion International	Media Team, Box 33, 1751 Halden, Norway †
Radio Gaga International	Box 220342, 42373 Wuppertal, Germany
Radio Gemini	Box 293, Merlin, ON N0P 1W0, Canada
German Free Radio Corporation	Box 1243, 6685 Schiffweiler, Germany
Radio Geronimo	Box 39, 62222 St Martin, Bologne, France
Radio Gloria International	Box 293, Merlin, ON N0P 1W0, Canada
Gold Jazz Radio	RWR, Box 220342, 42373 Wuppertal, Germany
Good Music Radio	GMR, Towers, Beccles, Suffolk, England
Green Music Radio International	GMRI, c/o Box 65, Moscow 125581, Russia
Halloween Radio	32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England
Heavy Dude Radio	Stefan Printz, Kännärsvägen 13D:220, 22646 Lund, Sweden † ♥
Radio Helgoland	Box 59, 7260 AB Ruurlo, The Netherlands ◇
Highland Radio International	126 Box 78, Goodna, Queensland, Australia
Hit Radio Germany	Box 100350, 7016 Gerlingen, Germany
House Music Radio	Box 1243, 6685 Schiffweiler, Germany
Idea Radio	Idea Radio, C.P. 38, 16030 Gattorna (GE), Italy P
Radio Illegal	Box 386, 5900 AJ Venlo, The Netherlands
Independent Sounds	Box 110226, 3400 Goettingen, Germany
International Music Radio	Box 128, 4003 Basel, Switzerland
International Relay Service	Box 130, 92504 Rueil Cedex, France
Radio Ireland International	Box 452, Wellsville, NY 14895, USA
Radio Italia	Vicolo Volusio 1, 06049 Spoleto (PG), Italy P
Italian Radio Relay Service	Box 10980, 20110 Milano MI, Italy P
Radio Jimmy International	Box 102, 7360 AC Beekbergen, The Netherlands ◇
Jolly Roger Radio	Box 130, 92504 Rueil Cedex, France
Radio Joystick	Box 100812, 4330 Mülheim/Ruhr 1, Germany
Radio Kapina	Box 220342, 42373 Wuppertal, Germany
Radio Kapina	Box 220342, 42373 Wuppertal, Germany
KING Radio	c/o 10 Bromyard Crescent, Paulsgrove, Portsmouth PO6 3SP, England
Radio KNMS	Box 220342, 42373 Wuppertal, Germany
Radio Kontakt	12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Laser Hot Hits	Box 293, Merlin, ON N0P 1W0, Canada
Laser Rock	32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England
Level 48	Box 386, 5900 AJ Venlo, Holland
Radio Liberator	Unknown £
Lightning International	Box 10, Stuart House, Kings Street, Droylsden, Manchester, England Y
Radio Limit International	Box 220342, 42373 Wuppertal, Germany

Radio Lion.....Unknown £

Live Wire Radio.....14 Stone Row, Coleraine, County Londonderry BT52 1EP, Northern Ireland

Radio Lollipop.....Box 220342, 42373 Wuppertal, Germany

Radio London International.....Box 293, Merlin, ON N0P 1W0, Canada

London Weekend Radio.....50 Greenside, Slough, Berkshire, England

Radio Look Out.....Box 103, 8120 AC Olst, The Netherlands ♡

Radio Lowland International.....Box 39, 2300 AA Leiden, The Netherlands

Radio Magic.....RM, Box 1461, Perm 614036, Russia † ♡

Radio Makahari.....Box 220342, 42373 Wuppertal, Germany

Radio Marabu.....Box 220342, 42373 Wuppertal, Germany

Radio Matilda.....Box 220342, 42373 Wuppertal, Germany

Radio Mayday.....RMD, Box 130, 92504 Rueil Cedex, France &
RMD, Box 220342, 42373 Wuppertal, Germany

Radio Mercury.....Box 84, 3417 ZH Montfoort, The Netherlands

Radio Merlin International.....Unknown £

Radio Meteor.....Box 71, 7720 AB Dalfsen, The Netherlands ♢

Radio Meteor.....Box 220342, 42373 Wuppertal, Germany

Metsäradio.....Box 220342, 42373 Wuppertal, Germany

Radio Mi Amigo.....Box 220342, 42373 Wuppertal, Germany
England †

Radio Mirage.....Box 220342, 42373 Wuppertal, Germany

Radio Mona Lisa.....Box 11, 7954 ZG Rouveen, The Netherlands ♡

Radio Moonlight.....Box 102, 7360 AC Beekbergen, The Netherlands

Multipack Radio International.....c/o Delta, Box 41, 8080 AA Elburg, The Netherlands

Radio Nolan.....Box 10, 9540 AA Vlagtwedde, The Netherlands ♡

Nordlicht Radio.....Box 220342, 42373 Wuppertal, Germany

North Atlantic Radio.....Bridge Street, Cardonagh, County Donegal, Ireland

North Coast Rock.....10 Horseman Place, Seacombe, Wirral L44 7BL, England

Northern Ireland Relay Service.....14 Stone Row, Coleraine, County Londonderry BT52 1EP, Northern Ireland

Radio Northlight International.....Unknown G

Radio Northsea International.....Box 220342, 42373 Wuppertal, Germany

Not Radio Fax.....Box 220342, 42373 Wuppertal, Germany

Nytrozone.....Box 130, 92504 Rueil Cedex, France

Onda Caliente.....Box 220342, 42373 Wuppertal, Germany

Optimod.....Unknown £

Radio Orang Utan.....Box 114, 7040 AC 's Heerenberg, The Netherlands

Radio Orion.....c/o 6 Worcester Street, Wolverhampton, West Midlands WV2 4LD, England †

Overflow International.....Unknown £

Ozone Radio International.....32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England

Radio Pacman.....Box 103, 8120 AC Olst, The Netherlands ♡

Radio Pamela.....Unknown £

Radio Pandora.....Unknown G

Radio Paradise.....Box 220342, 42373 Wuppertal, Germany

Passion Radio.....Box 386, 5900 AJ Venlo, The Netherlands

Radio Peace in Action.....Box 220342, 42373 Wuppertal, Germany

Radio Perfekt.....Box 386, 5900 AJ Venlo, Holland

Radio Piraña International.....Box 220342, 42373 Wuppertal, Germany

Pirate Freaks Broadcasting Service.....Box 386, 5900 AJ Venlo, The Netherlands

PIT5.....Unknown £

Radio Pluto.....Box 103, 8120 AC Olst, The Netherlands ♡

Radio Pogo 104.....Box 220342, 42373 Wuppertal, Germany

Radio Popcorn.....Box 220342, 42373 Wuppertal, Germany

Power AM.....Box 536, 7900 AM Hoogeveen, The Netherlands †

Radio Psychedelica.....Stefan Printz, Kämnärsvägen 13D:220, 22646 Lund, Sweden †

Radio Rabbit International.....Box 386, 5900 AJ Venlo, The Netherlands

Rainbow Radio Germany.....RRG, Box 202, 36172 Bebra, Germany †

Random Radio.....Box 293, Merlin, ON N0P 1W0, Canada

Radio Rebel International.....Box 130, 92504 Rueil Cedex, France

Radio Rebell 105.....Tommy, Box 1253, 7073 Lorch, Germany †

Radio Recharge International.....14 Stone Row, Coleraine, County Londonderry BT52 1EP, Northern Ireland &
Box 130, 92504 Rueil Cedex, France

Radio Reflex.....Box 59, 7260 AB Ruurlo, The Netherlands ♡

Renegade Sound.....32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England

Riverside 101.....Box 101, 166 Spencer Road, Waterside, Londonderry, Ireland

Rocky 48.....Box 293, Merlin, ON N0P 1W0, Canada

Romantic Space Radio.....Arty, Box 29, Moscow 109444, Russia † ♡

Radio Safari International.....Box 220342, 42373 Wuppertal, Germany

Radio Santana.....Box 46, 7160 AA Neede, The Netherlands ♡

Santeria.....Unknown D

Scandinavian Broadcasting Company Östra Porten 29, 44254 Ytterby, Sweden

Schaduwjager.....Box 578, 7900 AN Hoogeveen, The Netherlands ♢

Radio Select.....Box 51, 6671 CA Zetten, The Netherlands

SF03.....Unknown £

Radio Shamrock.....Box 39, Waterford, Ireland †

Radio Silverbird International.....Box 13, 7595 ZG Weerselo, The Netherlands ♡

Skull & Bones Radio System.....Unknown Z

Sky Radio.....Box 386, 5900 AJ Venlo, The Netherlands

Radio Speranza.....Reverendo Padre Sacerdote Luigi Cordioli, Largo San Giorgio 91,
41100 Modena, Italy P

Radio Star.....Box 51, 1777 ZH Hippolytushoef, The Netherlands

Star Club Radio.....Box 220342, 42373 Wuppertal, Germany

Radio Starline.....Box 220342, 42373 Wuppertal, Germany

Starshine Radio.....12 Dorman Road, Preston, Lancs PR2 6AS, England ♣

Station Sierra.....Unknown £

Radio Stella International.....82 Pentland Place, Kirkcaldy, Fife KY2 6AQ, Scotland

Radio Strasburg.....Box 293, Merlin, ON N0P 1W0, Canada

Subterranean Sounds.....32 Victoria Road, Salisbury, Wiltshire SP1 3NG, England

Süd West Radio.....Box 386, 5900 AJ Venlo, Holland

Sunshine Radio.....Box 130, 92504 Rueil Cedex, France

Swedish Shortwave Relay Service.....Box 220342, 42373 Wuppertal, Germany

Tecomm.....Unknown S

Radio Thistle.....14 Stone Row, Coleraine, County Londonderry BT52 1EP, Northern Ireland

Radio Titanic International.....Box 220342, 42373 Wuppertal, Germany

Tom's Music Radio.....Wilfried Meyer, Box 540101, 47151 Duisburg, Germany

Radio Tonair International.....Box 21, 7010 AA Gaanderen, The Netherlands

Radio Tornado.....Box 432, 3330 AK Zwýndrecht, The Netherlands ♡

Radio Toulouse International.....12 Dorman Road, Preston, Lancs PR2 6AS, England † ♡

Radio Tower.....Box 19074, 3501 DB Utrecht, The Netherlands

Transatlantic Radio.....Box 4427, 3006 AK Rotterdam, The Netherlands

UK Radio.....c/o 6 Worcester Street, Wolverhampton, West Midlands WV2 4LD, England

Radio Utopia.....Unknown £

Radio Vanessa.....Box 386, 5900 AJ Venlo, The Netherlands

Voice of Free Radio.....Box 220342, 42373 Wuppertal, Germany

Voice of Techno.....Box 130, 92504 Rueil Cedex, France

Voice of The Goutsufferers.....c/o Fat John's Stall, The New Market, Kent Street, Glasgow, Scotland

The Voice of Hardrock.....Box 130, 92504 Rueil Cedex, France

Voice of The Pilesufferers.....LWR, 30 Pinewood, Ballybrack, County Dublin, Ireland

Voice of The Netherlands.....Box 669, 7900 AR Hoogeveen, The Netherlands

Wave Radio International.....Stefan Printz, Kämnärsvägen 13D:220, 22646 Lund, Sweden †

Radio Waves International.....Box 130, 92504 Rueil Cedex, France

Wee Guy Radio.....Box 293, Merlin, ON N0P 1W0, Canada

Weekend Music Radio.....14 Stone Row, Coleraine, County Londonderry BT52 1EP, Northern Ireland

West & North Kent Radio (WNKR).....Box 220342, 42373 Wuppertal, Germany

Radio Wah nsinn.....Box 220342, 42373 Wuppertal, Germany

Radio Without Borders International Igor, Box 29, Moscow 109444, Russia ♡

World Communications Service.....Box 130, 92504 Rueil Cedex, France

World's Greatest Anorak Station.....Box 130, 92504 Rueil Cedex, France

Wrekin Radio International.....WRI, 51 Eastwood Boulevard, Westcliff-on-Sea, Essex SS0 0BY, England †

Xenon Transmitting Company.....Box 220342, 42373 Wuppertal, Germany

XMAS.....Box 11175, 1001 GD Amsterdam, The Netherlands

Mediumwave

Radio 807.....Box 341, 3770 AH Barneveld, The Netherlands ▽

Radio 813.....DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣

Albatros.....DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣

Al Capone.....DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽

Alpenkoning.....Box 221, 7700 AE Dedemsvaart, The Netherlands ♢

Alpenkruiser Radio.....Box 6, 7918 ZG Nieuwlande, The Netherlands ♡

Alpina.....Box 27, 7595 ZG Weerselo, The Netherlands ♡

Radio Antonio.....DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽

Radio Aristona Box 78, 7710 AB Nieuwleusen, The Netherlands ◇
Radio Armada Box 9, 8150 AA Lemelerveld, The Netherlands ♡
Radio Arutz 7 Bel-EI, D N Mizrach Benjamin 90801, Israel
Athena DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Atlantis Box 85, 9410 AB Beilen, The Netherlands ♣
Baanbreker Radio Box 59, 7260 AB Ruurlo, The Netherlands ♡
Bad Company DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Bamboe DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Barcelona Unknown D
Radio Barones Box 73, 7160 AB Neede, The Netherlands ▽
Beer Zender Box 149, 8260 AC Kampen, The Netherlands ♡
Bellvue Box 128, 9665 ZJ Oude Pekela, The Netherlands ♡
Berkenrode DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Billy de Bluffer Box 27, 7595 ZG Weerselo, The Netherlands ▽
Radio Black Power Box 643, 7900 AP Hoozeveen, The Netherlands ♡
Radio Black Rose DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Boogschutter Unknown D
Blauwe Buldog DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Blauwe Cobra DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Blauwe Piraat Box 78, 7710 AB Nieuwleusen, The Netherlands ♡
Blauwe Reiger Unknown D (Nagele)
Bloemendaal Box 186, 7240 AD Lochem, The Netherlands ♡
Blonde Ale & Grÿze Appie DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Blonde Anna DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Radio Blonde Weg Piraat DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Blonde Zeeman DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Bontekoe Box 27, 7595 ZG Weerselo, The Netherlands ▽
Radio Boskabouter DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Bouvvakker DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Breaker DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Bremen DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Radio Brod Freedom of Speech Association, Droit de Parole, B.P. 6,
759222 Paris Cedex 19, France
Radio Caballero Box 643, 7900 AP Hoozeveen, The Netherlands ▽
Radio Calipso (Oostwold) Box 8, 9684 ZG Finsterwolde, The Netherlands ▽
Calypso (Velluwe) DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Camouflage DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Carnaval Unknown D
Carolina DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Casablanca Radio International Box 25, 7880 AA Emmer-Compascuum, The Netherlands ♡
Centurion Box 443, 5500 AK Veldhoven, The Netherlands
Concordia Box 101, 7670 AC Vriezenveen, The Netherlands ▽
Radio Curacau DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Daiwa Box 102, 7360 AC Beekbergen
Dalma/Delmare (A) (Hoozeveen) Box 536, 7900 AM Hoozeveen, The Netherlands ♡
Delmare (B) (Doetinchem) Box 432, 3330 AK Zwÿndrecht, The Netherlands ▽
Radio Delta Box 65, 7260 AB Ruurlo, The Netherlands ◇
Radio Derby Box 14, 7916 ZG Elim, The Netherlands
Zender Dikke Betta (DB) Box 29, 7475 ZG Markelo, The Netherlands ◇
Dokter Ketellapier DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Dolfÿn DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Donkere Boervart DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Drenthina DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Drentse Kluzenaar Box 20, 7894 ZG Zwartemeer, The Netherlands
Duitser Rundfunk DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Egerlander DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Electron Box 27, 7595 ZG Weerselo, The Netherlands ▽
Eskimo Box 129, 8400 AC Gorredÿk, The Netherlands ▽
F16 Box 149, 7740 AR Coevorden, The Netherlands ♡
Felix Box 185, 7470 AD Goor, The Netherlands ♡
Radio Flandria Box 339, 8200 AM Lelystad, The Netherlands ▽
Fledermaus DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Freebird DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Frisco Radio DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Gele Roos DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣

Radio Golfbreker Box 107, 7580 AC Losser, The Netherlands ◇
Gouden Ster Box 101, 7670 AC Vriezenveen, The Netherlands ▽
Goudvink DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Grote Verzierder Box 129, 8400 AC Gorredÿk, The Netherlands ♡
Grÿze Wolf DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Hamburg DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Zender Harry DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Havana DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Hawaii Box 73, 7160 AB Neede, The Netherlands ▽
Heideroos DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Hennie Veldwÿk Box 171, 8100 AD Raalte, The Netherlands ▽
Radio Hoff Unknown (Israel)
Radio Holland International Box 669, 7900 AR Hoozeveen, The Netherlands
Hollandia Box 122, 7160 AC Neede, The Netherlands ▽
Horizon Box 108, 7720 AC Dalfsen, The Netherlands
Integraal (Hoozeveen) Unknown D
Radio International Corso Porta Palio 36, 37122 Verona, Italy P
Jan de Tuinman Box 27, 7595 ZG Weerselo ▽
Jan Oslo DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Japie de Blitzkikker Box 27, 7595 ZG Weerselo, The Netherlands ▽
Japie de Sloper DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Zender Johan DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Johannes de Jager DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Johnny Peacon Box 101, 7670 AC Vriezenveen, The Netherlands ▽
Radio Kanibaal DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Karel Doorman (A) Box 171, 8100 AD Raalte, The Netherlands ▽
Karel Doorman (B) DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Karina DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Radio Kippenboer Unknown D (Eemshaven)
KLAS 17 Rahagey Road, Aughnacloy, County Tyrone, Northern Ireland
Kleine Carolina DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Kleine Cowboy (Velluwe) Unknown D
Kleine Man DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Kleine Zwalu DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Knipscheer DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Kontakt DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Korak Radio Box 134, 3780 BC Voorthuizen, The Netherlands ◇
Krantenman DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Kristal Box 224, 7440 AE Nÿverdai, The Netherlands
De Krui DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Kÿk Uit Box 103, 8120 AC Olst, The Netherlands ♡
Kung Fu DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Lotus Box 73, 7160 AB Neede, The Netherlands ◇
Luxemburg DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Magneet International Box 102, 7360 AC Beekbergen, The Netherlands
Radio Majhantec Unknown D
Radio Mariska DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Mario Box 185, 7470 AD Goor, The Netherlands ♡
Marjando DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Marsdiep Box 3037, 1780 GA Den Helder, The Netherlands ▽
Marskramer Box 129, 8400 AC Gorredÿk, The Netherlands ♡
Mascotte DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Mercurius Box 103, 8120 AC Olst, The Netherlands ◇
Radio Meteor Box 71, 7720 AB Dalfsen, The Netherlands ◇
Mexicano Box 86, 7150 AB Eibergen, The Netherlands ♡
Radio Mexico (A) DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Mexico (B) DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Minerva DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Monitor Box 103, 8120 AC Olst, The Netherlands
Monza DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Monte Carlo DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Music City Radio Unknown D (Clones)
Nachtegaal DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Nadezhda (Moscow) Unknown D
Nedezhda (Estonia) Unknown

New Mexico	Box 149, 8260 AC Kampen, The Netherlands ♡
Radio Newspaperman	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Nooitgedacht (A) (Lochem)	Box 186, 7240 AD Lochem, The Netherlands ♡
Nooitgedacht (B) (Ter Apel)	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Noorderster	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Radio Noordzee	Box 157, 7670 AD Vriezenveen, The Netherlands ▽
Radio Nordmende	Box 122, 7160 AC Neede, The Netherlands ♡
North Atlantic Radio	Bridge Street, Cardonagh, County Donegal, Ireland
Radio Nova 4	Box 29, 7950 AA Staphorst, The Netherlands ♡
N.R.S.A.D.R.	Unknown (Western Sahara)
Ohio Team	Box 27, 7595 ZG Weerselo, The Netherlands ♡
Oklahoma	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Olieman	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Olympia (A)	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Olympia (B) (Friesland)	Unknown D
Ome Jan	Box 101, 7670 AC Vriezenveen, The Netherlands ♡
Ome Jap	Unknown D (Ameland)
Ome Willem	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Onbekend	Box 24, 7260 AA Ruurlo, The Netherlands ♡
Radio Orang Utan	Box 114, 7040 AC 's Heerenberg, The Netherlands
Zendster 't Oude Dak	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Pamela	Unknown E
Parasol	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Partisan	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Pedro Radio	Box 107, 7580 AC Losser, The Netherlands ▽
Radio Pelikaan	Box 166, 7240 AD Lochem, The Netherlands ♡
Radio Pepper	Box 103, 8120 AC Olst, The Netherlands ♡
Piccolo	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Piepzender	Box 13, 7710 AA Nieuwleusen, The Netherlands ♡
Radio Pionier	Box 2188, 3000 CD Rotterdam, The Netherlands
Radio Pirana	Box 206, 7570 AE Oldenzaal, The Netherlands ▽
Polderboer	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Polydor	Box 11, 7954 ZG Rouveen, The Netherlands ♡
Poolster	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Populaire	Box 157, 7670 AD Vriezenveen, The Netherlands ▽
Radio President	Box 4046, 8600 GA Sneek, The Netherlands ♡
Radio Preston	Box 157, 7670 AD Vriezenveen, The Netherlands ▽
RBT	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Rentenier	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Rode Rover	Box 11, 7954 ZG Rouveen, The Netherlands ♡
Rooie Piraat	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Safari Park	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Samson	Box 27, 7595 ZG Weerselo, The Netherlands ♡
Radio Santana (A)	Box 73, 7160 AB Neede, The Netherlands ▽
Santana (B)	Box 27, 7595 ZG Weerselo, The Netherlands ▽
Radio Sapporro	Box 341, 3770 AH Barneveld, The Netherlands ♡
Radio Schaduwjager	Box 578, 7900 AN Hoogeveen, The Netherlands ♡
Radio Scotland	Box 85, 9410 AB Beilen, The Netherlands ♡
Silber Fuchs	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Sistema	Box 15, Serpuhov 203, Moscow Oblast 142203, USSR
Soto/Ome Soto	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Radio Spanningzoeker	Box 578, 7900 AN Hoogeveen, The Netherlands ♡
Radio Star Country	c/o Dot McCoy, Aughagan, Smithboro, County Monaghan, Ireland
Sterrenboog	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Stormvogel	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Straaljager	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Stroper	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Studio 4	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Radio Sunshine	Furniture Warehouse, Carrick Arnon, Dundalk, Ireland
Radio Sylvania	Box 101, 7670 AC Vriezenveen, The Netherlands ▽
Taifun	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Talisman	Box 107, 7580 AC Losser, The Netherlands ♡
Radio Texas	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Texta Cowboy	Box 78, 7710 AB Nieuwleusen, The Netherlands ♡
Radio Thoreline	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽

Tobias	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Toekomst	Box 4046, 8600 GA Sneek, The Netherlands ▽
Toni Macaroni	Box 103, 8120 AC Olst, The Netherlands ♡
Radio Tornado	Robert Petraitis, Box 493, 5802 Klaipeda, Lithuania † ♡
Torpedoboot	Box 157, 7670 AD Vriezenveen, The Netherlands ▽
Toulouse (A) (Gramsbergen)	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Toulouse (B) (Almelo)	Box 101, 7670 AC Vriezenveen, The Netherlands ▽
Tubantia	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Turbojager	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Twentsche Echo	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Twentsche Rakker	Box 27, 7595 ZG Weerselo, The Netherlands ▽
Twentse Radio Unie	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Tjdbreker	Box 186, 7240 AD Lochem, The Netherlands ♡
Radio Valencia	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Utopia	Box 73, 7160 AB Neede, The Netherlands ▽
Valentino	Box 221, 1560 AE Krommenie, The Netherlands ▽
Valkenburg	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Variant	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Verona (A) (Lochem)	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Radio Verona International (B)	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Victoria	Box 54, 1777 ZH Hippolytushoef, The Netherlands ♡
Vliegenvanger	Box 78, 7710 AB Nieuwleusen, The Netherlands ♡
Voice of the Dicle	Unknown (Turkey, 1584 kHz)
Voice of Iraqi Kurdistan	Unknown (Iraq, 1615 kHz)
Voice of the Islamic Revolution	Unknown (Iraq)
Voice of the Rebellious Iraq	Box 1959, 14155 Tehran, Iraq
Vossenjager	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Vrije Vogel	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Vrolijke Mynwerker	Box 127, 7670 AC Vriezenveen, The Netherlands ▽
Vrome Nikos	Unknown D
Wadloper (Friesland)	Unknown D
Waldolala	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Watergeus	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Waterman	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Weduwe	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Radio West	Box 30, 8316 ZG Marknesse, The Netherlands ▽
Witte Gans	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Ymuiden	Box 101, 7670 AC Vriezenveen, The Netherlands ♡
Ysselpiraat	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Ysselstein	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Zeejager	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Zoef de Haase	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Zondevan	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ▽
Zwarte Dorus	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣
Zwarte Kraai	Box 101, 7670 AC Vriezenveen, The Netherlands ▽
Zwarte Non (Black Nun)	Box 122, 7160 AC Neede, The Netherlands ▽
Zwarte Zigeuner	DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS, England ♣

NORTH AMERICAN PIRATE STATIONS

STATION NAME	CONTACT ADDRESS
4th of July Radio	Box 109, Blue Ridge Summit, PA 17214, USA
Action Radio	Box 493, Boystown, NE 68010, USA
Radio Airplane	Box 452, Wellsville, NY 14895, USA
Alliance For Free Radio	Box 605, Huntsville, AL 35804, USA
Altered States Radio	Box 293, Merlin, ON N0P 1W0, Canada
Alternate Elvis	Box 452, Wellsville, NY 14895, USA
Radio Anarchy	Box 109, Blue Ridge Summit, PA 17214, USA
Andromeda Independent Radio	Box 293, Merlin, ON N0P 1W0, Canada
Radio Angeline	Box 40554, Washington, DC 20016, USA
APRN	Box 452, Wellsville, NY 14895, USA
Radio Audibon	Ralph Brandi, 128 Greenoak Blvd., Middletown, NJ 07748, USA
Radio Azteca	Box 452, Wellsville, NY 14895, USA & Box 109, Blue Ridge Summit, PA 17214, USA
Baghdad Radio	Unknown

Radio Beaver Box 293, Merlin, ON N0P 1W0, Canada
Black Box Radio Box 40554, Washington, DC 20016, USA
Radio BLANDX Box 109, Blue Ridge Summit, PA 17214, USA
Canadian Bootlegger Box 452, Wellsville, NY 14895, USA
Carrefour Radio Box 109, Blue Ridge Summit, PA 17214, USA
The Car Show Box 452, Wellsville, NY 14895, USA
CCC Radio Box 5635, Longview, TX 75608, USA
CFBN Box 452, Wellsville, NY 14895, USA
CGWN Box 80033, Burnaby, British Columbia B5H 3X1, Canada
Chicago Tunnel Company Michael Kopp, 6246 North Wayne, Chicago, IL 60660, USA
Christian Rock Radio (WGBR) Box 452, Wellsville, NY 14895, USA
CKLW Box 109, Blue Ridge Summit, PA 17214, USA
CNBS Box 452, Wellsville, NY 14895, USA
Radio Comedy Club International Box 109, Blue Ridge Summit, PA 17214, USA
The Crooked Man Box 40554, Washington, DC 20016, USA
CRSM Radio Scottish Montreal Box 109, Blue Ridge Summit, PA 17214, USA &
Box 293, Merlin, ON N0P 1W0, Canada
CRTC Box 293, Merlin, ON N0P 1W0, Canada
CSIC Box 109, Blue Ridge Summit, PA 17214, USA
Cumberland Stationwagon Box 109, Blue Ridge Summit, PA 17214, USA
CXDX Box 109, Blue Ridge Summit, PA 17214, USA
Radio DC Unknown
The Deadly Nightshade Box 25302, Pittsburgh, PA 15242, USA
Radio Deadman Unknown
Defiance! 90 Box 109, Blue Ridge Summit, PA 17214, USA
Desert Network Box 69, Wolf Run, OH 43970, USA
Radio Doomsday Box 452, Wellsville, NY 14895, USA
Down East Radio Box 109, Blue Ridge Summit, PA 17214, USA
Radio Drift Box 109, Blue Ridge Summit, PA 17214, USA
Radio Duplicado Box 452, Wellsville, NY 14895, USA
East Coast Beer Drinker Box 109, Blue Ridge Summit, PA 17214, USA
East Coast Music Radio Box 452, Wellsville, NY 14895, USA
EBO Radio Box 452, Wellsville, NY 14895, USA
The Edge Box 109, Blue Ridge Summit, PA 17214, USA
ECYC Box 293, Merlin, ON N0P 1W0, Canada
Radio Eleven Box 293, Merlin, ON N0P 1W0, Canada
Esoterica Box 146, Stoneham, MA 02180, USA
Radio Espirito Box 40554, Washington, DC 20016, USA
Radio EXP Box 452, Wellsville, NY 14895, USA
Fairy Tale Radio Unknown
Fantasy Broadcasting Station Box 23792, Phoenix, AZ 85063, USA
Radio Farside Box 293, Merlin, ON N0P 1W0, Canada
Radio Flattus Box 109, Blue Ridge Summit, PA 17214, USA
Radio Flatulence Box 109, Blue Ridge Summit, PA 17214, USA
Radio Flatulence Box 109, Blue Ridge Summit, PA 17214, USA
Radio Fluffernut Box 293, Merlin, ON N0P 1W0, Canada
Radio Fornication Box 69, Wolf Run, OH 43970, USA
The Fox Box 452, Wellsville, NY 14895, USA &
Box 109, Blue Ridge Summit, PA 17214, USA &
Box 293, Merlin, ON N0P 1W0, Canada
Radio Free America Box 452, Wellsville, NY 14895, USA
Radio Free Euphoria Box 452, Wellsville, NY 14895, USA
Radio Free New England Box 452, Wellsville, NY 14895, USA
Radio Free New York 1748 70th Street, Brooklyn, New York 11204, USA
Radio Free Massachusetts Box 293, Merlin, ON N0P 1W0, Canada
Radio Free Salvation Box 605, Huntsville, AL 35804, USA
Radio Ganymede Box 109, Blue Ridge Summit, PA 17214, USA
Radio Garbanzo Box 452, Wellsville, NY 14895, USA
Ground Level Network Box 452, Wellsville, NY 14895, USA
Radio Gumby International Box 293, Merlin, ON N0P 1W0, Canada
Radio Hallowe'en Box 452, Wellsville, NY 14895, USA
Happy Hanukah Radio Box 293, Merlin, ON N0P 1W0, Canada
He Man Radio Box 109, Blue Ridge Summit, PA 17214, USA
Hit Parade Radio Box 452, Wellsville, NY 14895, USA
Hope Radio Box 109, Blue Ridge Summit, PA 17214, USA

Howdy Doody Radio Box 109, Blue Ridge Summit, PA 17214, USA
The Jersey Devil Box 109, Blue Ridge Summit, PA 17214, USA
K2000 Box 146, Stoneham, MA 02180, USA
KBLU Box 123082, Fort Worth, TX 76121, USA
KCUS Box 25302, Pittsburgh, PA 15242, USA
KFAT Box 452, Wellsville, NY 14895, USA
KGUN Box 109, Blue Ridge Summit, PA 17214, USA
KICK Box 605, Huntsville, AL 35804, USA
Kid Radio Unknown
KLVb Box 452, Wellsville, NY 14895, USA
KMCR Box 109, Blue Ridge Summit, PA 17214, USA
KMRZ Box 452, Wellsville, NY 14895, USA
KNBS Box 452, Wellsville, NY 14895, USA
KQRP Box 452, Wellsville, NY 14895, USA
Kranker Radio International Box 25302, Pittsburgh, PA 15242, USA
KROK Box 452, Wellsville, NY 14895, USA
KULP Box 109, Blue Ridge Summit, PA 17214, USA
KUNT Box 3511, La Mesa, California 91944, USA &
Box 5624, Arlington, VA 22205
KUSA Box 605, Huntsville, AL 35804, USA
KXVN Box 452, Wellsville, NY 14895, USA
Liberties Box 452, Wellsville, NY 14895, USA
Radio Lymph Node International Box 40554, Washington DC, 20016, USA
Radio Mauser Worldwide Box 55553, Trenton, NJ 08638, USA
Radio Mexico International Box 109, Blue Ridge Summit, PA 17214, USA
Midnite Radio Box 109, Blue Ridge Summit, PA 17214, USA
R. Mystic V. of The Western Praries Box 109, Blue Ridge Summit, PA 17214, USA
Radio Navidad Internacional Box 452, Wellsville, NY 14895, USA
Radio New York International Box 270, Flushing, New York 11352, USA
North American Pirate Relay Service Box 452, Wellsville, NY 14895, USA
North Jersey Coast Radio Box 293, Merlin, ON N0P 1W0, Canada
The Oasis Box 452, Wellsville, NY 14895, USA
Radio Ogalalla Box 605, Huntsville, AL 35804, USA
Radio Ohm Box 40554, Washington, DC 20016, USA
Radio Okeechobee Box 452, Wellsville, NY 14895, USA
Omega Radio Box 109, Blue Ridge Summit, PA 17214, USA &
Radio One Box 452, Wellsville, NY 14895, USA &
Box 452, Wellsville, NY 14895, USA
One Voice Radio Box 109, Blue Ridge Summit, PA 17214, USA
Orbital Mind Control Satellite Box 452, Wellsville, NY 14895, USA
Pan Global Wireless Box 452, Wellsville, NY 14895, USA
Pirate Radio Boston Box 146, Stoneham, MA 02180, USA
Pirate Radio New England Box 40554, Washington, DC 20016, USA
Radio Politzania Box 109, Blue Ridge Summit, PA 17214, USA
Radio Poncho Villa Box 452, Wellsville, NY 14895, USA
Rastafarian Radio Box 25302, Pittsburgh, PA 15242, USA
RBCN Box 17354, Atlanta, GA 30616, USA
Revolutionary Voice of Plainville Box 109, Blue Ridge Summit, PA 17214, USA
RKNA Box 452, Wellsville, NY 14895, USA
Samurai Radio Box 109, Blue Ridge Summit, PA 17214, USA
Secret Mountain Laboratory Box 452, Wellsville, NY 14895, USA
Radio Society of Industrialized Music Box 109, Blue Ridge Summit, PA 17214, USA
Solid Rock Radio Box 452, Wellsville, NY 14895, USA
SW3 Box 605, Huntsville, AL 35804, USA
Tangerine Radio Box 452, Wellsville, NY 14895, USA
Tube Radio Box 109, Blue Ridge Summit, PA 17214, USA
UNID Box 5624, Arlington, VA 22205, USA
Union City Radio Box 452, Wellsville, NY 14895, USA
United World Radio Box 452, Wellsville, NY 14895, USA
URGZ Unknown
Radio USA Box 452, Wellsville, New York 14895, USA
Virtual Broadcasting System Box 452, Wellsville, NY 14895, USA
Voice of Anarchy Box 109, Blue Ridge Summit, PA 17214, USA
Voice of Bob Box 452, Wellsville, NY 14895, USA
Voice of Bono Box 452, Wellsville, NY 14895, USA

Voice of Douche Bag.....Box 452, Wellsville, NY 14895, USA
Voice of The Epileptic Catfish.....Box 109, Blue Ridge Summit, PA 17214, USA
Voice of Free America.....Box 605, Huntsville, AL 35804, USA
Voice of Gilligan.....Box 605, Huntsville, AL 35804, USA
Voice of The Great White North.....Box 452, Wellsville, NY 14895, USA &
Box 109, Blue Ridge Summit, PA 17214, USA
Voice of Intoxication.....Box 452, Wellsville, NY 14895, USA
Voice of The Kentucky Fried Rodents.....Box 452, Wellsville, NY 14895, USA
Voice of Laryngitis.....Box 452, Wellsville, NY 14895, USA
Voice of Long Island.....Box 452, Wellsville, NY 14895, USA
Voice of The Loon (WVOL).....Box 452, Wellsville, NY 14895, USA
Voice of Monotony.....Box 109, Blue Ridge Summit, PA 17214, USA
Voice of The Night.....Box 11425, Trenton New Jersey 08620, USA
Voice of Normandy.....Box 109, Blue Ridge Summit, PA 17214, USA
The Voice of Oz.....Box 452, Wellsville, NY 14895, USA
Voice of The Purple Pumpkin.....Box 109, Blue Ridge Summit, PA 17214, USA
Voice of The Rainbow.....Box 452, Wellsville, NY 14895, USA
Voice of The Runaway Maharishi.....Box 452, Wellsville, NY 14895, USA
Voice of Sex.....Box 25302, Pittsburgh, PA 15242, USA
Voice of Shakerag.....Box 17354, Atlanta, GA 30616, USA
Voice of The Smooth.....Box 923, Saratoga, CA 95071, USA
Voice of The Stench.....Box 109, Blue Ridge Summit, PA 17214, USA &
Box 25302, Pittsburg, PA 15242, USA
Voice of The Very Last Days.....Box 109, Blue Ridge Summit, PA 17214, USA
Voice of Tomorrow.....Box 314, Clackamas, OR 97015, USA
WAO.....Box 109, Blue Ridge Summit, PA 17214, USA
WARI.....Box 452, Wellsville, NY 14895, USA
WAZU.....Box 452, Wellsville, NY 14895, USA
WBNY.....Box 40554, Washington, DC 20016, USA
WBST.....Box 40554, Washington, DC 20016, USA
WBZA.....Box 452, Wellsville, NY 14895, USA
WCR.....Box 452, Wellsville, NY 14895, USA
WCTU.....Box 109, Blue Ridge Summit, PA 17214, USA
WCYC.....Box 11425, Trenton, NJ 08620, USA
WDRR.....Box 452, Wellsville, NY 14895, USA
Weather Alert Radio.....Box 452, Wellsville, NY 14895, USA
WEED.....Box 605, Huntsville, AL 35804, USA
WFU2.....Box 109, Blue Ridge Summit, PA 17214, USA
WGBR Christian Rock Radio.....Box 452, Wellsville, NY 14895, USA
WGNK.....Box 452, Wellsville, NY 14895, USA
WGOP.....Box 452, Wellsville, NY 14895, USA
WHDA.....Box 452, Wellsville, NY 14895, USA
WHIP.....Box 109, Blue Ridge Summit, PA 17214, USA
WHO.....Box 452, Wellsville, New York 14895, USA
WILD.....Box 109, Blue Ridge Summit, PA 17214, USA
Wire Line Radio.....Box 109, Blue Ridge Summit, PA 17214, USA &
Box 452, Wellsville, NY 14895, USA
WISL Whistle Stop Radio.....Box 493, Boystown, NE 68010, USA
Witch City Radio.....Box 452, Wellsville, NY 14895, USA
WJLR.....Unknown
WKAR.....Box 293, Merlin, ON N0P 1W0, Canada
WKIK.....Box 452, Wellsville, NY 14895, USA
WKZP.....Box 109, Blue Ridge Summit, PA 17214, USA
WLIS.....Box 109, Blue Ridge Summit, PA 17214, USA
WMAD.....Box 452, Wellsville, NY 14895, USA
WMIR.....Box 452, Wellsville, NY 14895, USA
WMPO.....Unknown
WNOT.....Box 109, Blue Ridge Summit, PA 17214, USA
Radio Wolf International.....Box 25302, Pittsburgh, PA 15242, USA
WORK.....Box 452, Wellsville, NY 14895, USA
WPBS.....Box 109, Blue Ridge Summit, PA 17214, USA
WQRT.....Unknown
WQSL.....Box 452, Wellsville, NY 14895, USA
WRAR.....Box 605, Huntsville, AL 35804, USA
WRBA.....Box 293, Merlin, ON N0P 1W0, Canada

WRCA.....Box 452, Wellsville, NY 14895, USA
WRCR Reality Check Radio.....Unknown
WREC Radio Free East Coast.....Box 452, Wellsville, NY 14895, USA &
Box 109, Blue Ridge Summit, PA 17214, USA
WRMR.....Box 402, Glen Oaks, NY 11004, USA
WRTR.....Box 452, Wellsville, NY 14895, USA
WRV The Radio Virus.....Box 452, Wellsville, NY 14895, USA
WSKY.....Box 452, Wellsville, NY 14895, USA
WSM Grand Ol' Opry Radio.....Box 605, Huntsville, AL 35804, USA
WSRN.....Box 293, Merlin, ON N0P 1W0, Canada
WVOL.....Box 452, Wellsville, NY 14895, USA
WWEO.....Box 543, Chesapeake Beach, MD 20732, USA
WWW.....Box 40554, Washington, DC 20016, USA
WYMN Women Radio.....Box 452, Wellsville, NY 14895, USA
WYYZ.....Box 452, Wellsville, NY 14895, USA
Radio X.....Box 25302, Pittsburg, PA 15242, USA
XENUS.....Box 452, Wellsville, NY 14895, USA
XERK.....Box 25302, Pittsburgh, PA 15242, USA
XEROX.....Box 452, Wellsville, NY 14895, USA
XMAS Day Radio.....Box 452, Wellsville, NY 14895, USA

PACIFIC PIRATES

Radio G'day.....Box 2474, Boroko, N.C.D., Papa New Guinea
Kiwi Radio.....Box 1437, Hastings, New Zealand
Southern Music Radio.....SMR, Box 130, 92504 Rueil Cedex, France

KEY TO THE SIGNS

♣ - 1 IRC, 1 USD OR AN SAE MUST BE ENCLOSED (2 IRCs OR 2 USD REQUIRED FOR TAPES)

IN ADDITION TO ANY RETURN POSTAGE FOR THE STATION!!!

▽ - VERIFIABLE VIA DPRS, 12 DORMAN ROAD, PRESTON, LANCS PR2 6AS, ENGLAND

♥ - OR DIRECT VIA DPRS, 12 DORMAN ROAD, PRESTON, LANCS PR2 6AS, ENGLAND

◇ - CAN BE FORWARDED BY DPRS, ALTHOUGH NOT DIRECT

† - DON'T PUT STATION NAME ON ENVELOPE!

† - TENTATIVE ADDRESS

• - TENTATIVE STATION NAME

B - BELGIAN PIRATE

D - DUTCH PIRATE

E - ENGLISH PIRATE

F - FINNISH PIRATE

G - GERMAN PIRATE

H - GREEK PIRATE!

I - IRISH PIRATE

J - ITALIAN PIRATE

P - ITALIAN PRIVATE STATION

R - RUSSIAN PIRATE!

W - WELSH PIRATE

Y - YUGOSLAVIAN PIRATE!

IMPORTANT: NEVER PUT "RADIO" ON THE ENVELOPE, USE THE STATION NAME ONLY OR INITIALS.

Help !!!

Did you listen to Scandinavian Pirates during the 70's and 80's ?

Any information are mostly welcomed.

Send copies of QSL's and infosheets to:

S.R.S

Östra porten 29

442 54 YTTERBY

SWEDEN

The secrets of Norway

Throughout many years, Norway has been considered a place not meant for pirates. Still, through all these years, a number of Norwegian Free Radio enthusiasts have secretly been producing real pirate programmes for Europe from the land of the Vikings and the Midnight sun. You can read about them here...

As far as I know, it all started with Radio Confusion in the mid-80s. Usually, their programmes were relayed by Radio Mirage, but the guy behind Confusion also made a number of programmes for other stations around Europe. He's actually a real nice guy, as most of my dear pirate friends are... I've been talking to him a couple of times in the past, and he is now considering a comeback on shortwave with his music- and DX-programmes via other shortwave pirate stations. He could be contacted via my address (in Wuppertal).

I've also heard rumours of a station called Radio Viking, but whether this really was a Norwegian station, or it has existed at all, is unknown to me. If anyone knows about this station and wants to share it with me, I would be happy!

Later on, a new pirate station came on the air from Norway. Perhaps a bit surprising to some, Christian Pirate Broadcasting Network (CPBN), is actually a Norwegian Free Radio station. They haven't been very active for over a year now, but the people

By José Anderson,
manager of
Channel Europe
P.O. Box 22 03 42
42373 Wuppertal
Germany

behind this station have told me that they will return to the airwaves on 48 metres in the future. CPBN is using their own transmitter for shortwave, capable

of about 80 watts. They may be contacted via my dear friend Stefan Printz in Lund, and you all know his address, don't you?

Another surprise from Norway is Radio Makahari. You might have heard this funny guy on shortwave, with his strange voice and programmes made up from Children's Channel and different commercials! Makahari is now being relayed via the transmitter of CPBN, so he doesn't have his own transmitter yet. You could listen to his funny programmes during

Christmas 1993; and as he has told me, quite a number of reports have been received for these programmes. The station name has often been confused with "Mata Hari", which is quite wrong. The guy actually has rather strong ties to New Zealand, and in his first programmes one could hear Polynesian music, which surely is quite unusual for European pirate stations! Since he borrowed the equipment of CPBN during the first period of

broadcasting, he could also be heard QSO-ing with other Free Radio stations. The address for Makahari is the Wuppertal maildrop.

The next station to join the line-up of the Norwegian pirates was my own station,

Channel Europe. For the moment, I don't have my own transmitter and therefore my programmes have to be relayed via other stations. The station was formed during Christmas 1992, and my first programme was carried by Radio Fusion International in May 1993. Next, I had a programme via the Scandinavian Broadcasting Corporation, and on the 12th of September, the perhaps most well-known programme so far was relayed by Radio Delta, Ruurlo on 6200 kHz. For this single programme I received some 60 reports, which I consider as very good! A total of 80 reports have been received for all my programmes. Since the Delta relay I haven't had any programmes, but I hope to be back sometime during spring or summer of this year with more great music from the last decade...

Now over to the last pirate to join the line-up of Norwegian pirates so far, Free Radio Norway. You all probably have been reading about this new pirate, opening the

Are you curious about Norway? Do you want to hear pure Norwegian music and learn to know the country better?

Free Radio Norway may be your choice...

eye of most Free Radio enthusiasts that pirates existed in Norway as well. Free Radio Norway is actually operating its own transmitter of about a 100 watts, and its first programme was transmitted at the end of December 1993. Signals have been reported very good all over Europe, and the operator of this station who just calls himself Dag Johnsen, is really satisfied with the response. The station has been

Playing *only* the best of the best from the last decade, and fighting for Norwegian membership in the European Union. Tune in to

Channel Europe

mentioned in most magazines taking pirate DX seriously. In spite of this, he will be on the air only occasionally because of security reasons. He likes to promote Norwegian culture and music, and after the Winter Olympic Games at Lillehammer that might not be very difficult... Most Norwegian music might not be too known among you Free Radio enthusiasts, but he hopes that you will send him your reception reports anyway. The address to write to for Free Radio Norway is the Wuppertal maildrop.

Now a little about the future for pirates here in my country. I've been talking to a couple of guys here, and they are really enthusiastic about the pirate idea. They might very well get their own transmitters and surf the airwaves sometime in the future... I will try to update you all on the situation in Norway via well-known Free Radio magazines as Pirate Chat and Pirate Connection, but if you have more questions about Free Radio in Norway, please write me, or any of the other pirates mentioned in this article.

Free Radio is certainly not forgotten in Norway. We just lay our heads a bit lower than certain other nationalities (e.g. the Swedes...) So tune in to Free Radio from Norway on shortwave, tune in to the real fun, an alternative...

Safari Update

Radio Safari Int.
P.O. Box 22 03 42
42373 Wuppertal
Germany

Number 1 - 1994, Volume 1. Free of any charge!

Hello, all Free Radio freaks out there, and welcome to this very first issue of Safari Update! My name is Bruce Sailor, and I'm living somewhere in the part of the world that we all like to call Europe. I'm also the man behind **Radio Safari International**, that provides you with mostly popular dance music, but I would also like to play your favorite records on my station, so just send me a letter at the Wuppertal maildrop!

About Safari:

Radio Safari International was founded sometime in 1993 (I can't remember when!), and since that time we have been relayed via the Swedish Shortwave Relay Service (SSRS) for quite a number of times. Because of this, a lot of people around Europe seems to believe that I am Swedish. Well, maybe I am, but I could also live in any other of the about 40 nations in Europe!!!

When it comes to languages, I understand (of course) English very well, but I am also capable of reading (not writing!) some German. The second DJ of Safari is called DJ Roger Waters, so you may guess that he's a big fan of Pink Floyd! He could also be named as "DJ Pink Floyd the second"...

The SSRS is using a transmitter of about a 100 Watts, and they are situated somewhere in Sweden, I can tell you. If you want to contact them, please use the Wuppertal maildrop.

I can tell you that the Swedish Report Service (SRS) claims that they are authorized to be our maildrop, but that is not true. Our only maildrop is the Wuppertal one.

Listener response:

So far, Safari has received some 46 reception reports from the following countries (number of reports from each country): Germany (16), Sweden (16), Norway (4), Finland (3), United Kingdom (2), France (2), Lithuania (2) and Czech Republic (1).

I hope to receive reports from all European countries, because I love reading the enthusiastic letters from all my pirate friends out there!

Free Radio scene:

There has been reported an increasing activity on 76 metres around in the afternoon from 15 hours UTC and onward in the weekends. I myself have heard both Weekend Music Radio, Radio Piraña Int., Radio Makahari and Live Wire Radio here with a not

too bad signal strength. According to some pirates I've been talking to, the reason is the increasing noise later in the evening/night on this metre band.

On 6290 kHz, I have heard an Arab station around 1530 UTC. This could be very annoying to the free stations that broadcast in the nearby such as Radio Caroline on 6295 kHz. So get lost, you Arab!

From the Baltics, rumours of a new pirate station have emerged. Baltic Coast Radio seems to have been relayed a couple of times via Heavy Dude Radio, and their address is in Lithuania. I've never heard this station, how about you others out there?

In Scandinavia, quite a lot of things are happening according to my sources. You all know the SSRS, but in addition the Scandinavian Broadcasting Company has been relaying some stations. Radio Fusion International from Sweden could also be back in a while after a long break.

Free Radio Norway also seems to be a new project, actually broadcasting from Norway as far as I've heard. Also from Norway, Radio Confusion has been reported to prepare a comeback after some 10 years off the air.

From the UK, I've heard that Radio Stella Int. is having some problems with their transmitters, and therefore has been off the air for quite some while.

Weekend Music Radio had a great transmission on both 3945 and 6210/6280 kHz during Christmas. Actually they were on the air all day, providing good reception at my place. Radio London Int. was heard via WMR on the same day, on 6210 kHz.

Some logs from today, the 9th of January: 6210 R. Diamond, 0945 UTC. 6238 Belgian Int. Relay Service, 0950 UTC. 6255 R. East Coast Commercial, 1202 UTC. 6286 Swedish Shortwave Relay Service, 1156 UTC. 6286 Radio Safari Int. (via SSRS) 1236 UTC. 6288 The Fox AM, 0955 UTC. 11401 R. Waves Int., 1213 UTC.

Last minute info: A new station was heard last night (January 9th) on 76 metres, 3912 kHz. They gave station IDs like "This is Shinistar Radio from Tokyo", something that sounded rather strange to me. I expect this one to be some kind of an imitation of a certain Scandinavian station, but I'm not sure. Anyone who knows more about this one?

Send your logs and news to Safari Update!

Well, it is about time for me to say goodbye for this time. I'd be happy to receive comments and contributions for this newsheet, so please send your info to our Wuppertal maildrop!

Just a short reminder of our joke contest that is going on at Safari at the moment. Send in your best jokes to us, and we will promise to read them all on the air as well as publish the best ones in this magazine!

Bruce Sailor, January 1994.

QSL-COLLECTION

Hello and welcome back to QSL-collection. Here are some fresh loggings. And to all operators, thanks for sending QSL-cards!

Mediumwave	Freq.	Reply	Rep. Time	Contr.	Bribe
R. Antonia	-	Cd(DPRS)	3 weeks	MS	
Bad Company	1638	Lt	2 weeks	DT	SAE
Black Power	1641	Lt	5 weeks	DT	SAE
Blauwe Reiger B	1640	Cd(DPRS)	1 week	JTM	
R. Brod	720	Lt, PPC	16 weeks	DT	SAE
Caballero	1636	Lt, St	3 weeks	ZE	
De Wreker	1636	?	1 year	DT	SAE
R. Felix	1635	Lt	2 weeks	DT	SAE
Goude Ster	-	Cd(DPRS)	10 weeks	MS	
Jan Oslo	1638	Cd	3 weeks	DT	SAE
Jan de Tuinman	-	Cd(DPRS)	3 weeks	MS	
Jape de Blitzkikker	-	Lt	28 weeks	MS	
Jape de Blitzkikker	1638	Lt	12 weeks	JAL	IRC
Karel Doorman B	1637	Lt	1 week	DT	SAE
Krantenman	1636	Lt	3 weeks	DT	SAE
Kristal	1644	Lt, St	5 weeks	JTM, GÖP	IRC
Newspaperman	1636	Lt	3 weeks	DT	SAE
Oude Vrolijke Mijnwerker	1637	Lt	2 weeks	DT	SAE
Red Rover	1635	Lt, St	3 weeks	DT	SAE
Sylvania	1642	Cd, Lt, St	2 weeks	MS, ZE	
Toekomst	1635	Cd(DPRS)	4 weeks	GÖP	
Toulouse A	1640	Lt	7 weeks	ZE	
UK2	1636	Lt, Ph	2 weeks	DT	SAE
Utopia	1636	Cd, Lt, Vc, I	5 weeks	GÖP	
Valencia	-	Cd(DPRS)	2 weeks	MS	
Valencia	-	Cd(DPRS), Lt	1 week	JAL	US\$
R. West	1640	Lt, PPC	1 week	DT	SAE
Zender Harry	1398	Lt, Ph	1 week	DT	SAE
Zendster Kristal	-	Lt, St	3 weeks	MS	

Shortwave	Freq.	Reply	Rep. Time	Contr.
Brigitte Int	6555	Cd, St, Mag	3 weeks	ZE
Channel Europe	7415	Cd	16 weeks	MS, JTM, SPZ
Delta Radio (A)	6275	Stc, I	2 weeks	ZE
Delta Radio (B)	-	Cd, Lt	3 weeks	MS
Dr. Tim	6200	Cd, I, Ph, Lt	4 weeks	ZE
Driland	6259	Cd, St, Vc, I	6 weeks	GÖP
Free Radio Germany	6290	Cd, I, Ph	8 weeks	JTM
Int'l Music Radio	-	Cd, Lt	2 weeks	MS

US\$

Int'l Music Radio	6200	Cd, Vc	3 weeks	ZE
Karibu	6305	Cd	6 weeks	ZE
Level 48	3910	PhCd, Lt	5 weeks	MS, JAL
Live Wire Radio	-	Cd, I	8 weeks	MS
Live Wire Radio	3910	Cd, Lt, St	4 weeks	ZE
Matilda	6240/73/81	Cd, St	8 weeks	SPZ
Mirage	7366	Cd, I	12 weeks	GÖP
Orang Utan	6200	Cd, Lt, I	2 weeks	ZE
Ozone Int'l	6232	Cd, I	8 weeks	GÖP
Pacman	7360	Stc	4 weeks	SPZ
R. Piraña Int'l	3910	Cd, I, Lt	28 weeks	JAL
R. Piraña Int'l	6248	Cd, Lt, I	16 weeks	ZE
Pirate Radio Boston	7422	Cd	3 weeks	ZE
Popcorn	-	Cd, Lt	1 week	MS
Popcorn	6200	Cd, Lt, I	2 weeks	ZE
Speranza	6233	Lt	4 weeks	ZE
Star	6211	Cd, Vc, St	8 weeks	SPZ
Starshine Radio	3913	Cd, I, Lt	3 weeks	MS, GÖP
Starshine Radio	3911	Cd, I	6 weeks	ZE
Sunshine Radio	-	Cd, Lt	7 weeks	MS
Transatlantic Radio	6266	Cd, Lt	2 weeks	ZE, GÖP
R. Wahnsinn	6200	I, Lt	3 weeks	MS, GÖP
Weekend Music Radio	-	Cd, I	9 weeks	MS
WGAS	6275	Stc, St, Ph	17 weeks	JTM
WGAS	6275	Lt, I	15 weeks	ZE

Shortwords: Cd:QSL-Card, Lt:Letter, Vc:Viewcard, I:Info, St:Sticker, Ph:Photo, Stc:Stencil, CD:Compact Disc, PPC:Preperd Post Card

Turtle-list

1. R. Bremen	5 years	5. De Wreker	52 weeks
2. Waldolala	2 years	7. Brittain R Int'l	44 weeks
3. Rainbow R. Germ	77 weeks	8. R. Marta	43 weeks
4. R. Reflex	76 weeks	9. Nooitgedacht A	33 weeks
5. P.S.B	52 weeks	10. R. Piraña Int'l	28 weeks

The only way to get OUT from the turtle list, are by sending fast reply's to alot of DX-ers. When we see the tendence, we remove you.

Contr.

Martin Schöch	MS	18 (G)	Jan Törnblom	JTM	5 (S)
Zdenek Elias	ZE	17 (CZ)	Jonny Augustsson	JAL	5 (S)
Derek Taylor	DT	14 (UK)	Stefan Printz	SPZ	4 (S)
Göran Poulsen	GÖP	9 (S)			

Don't forget to include the frequency and IF you use shortwords that is not explained here, EXPLAIN them!

73's JAL

THE HITCHHIKER'S GUIDE TO OPERATING A PIRATE STATION

Revision 2, March 1994

Preface

In a world of increasing regulation and control, deviance from established modes of behavior is tolerated less and less. New ways are constantly being discovered by the government to discourage such behavior. In addition to being regulated by the government, much of the broadcast community is controlled either directly or indirectly by a small group of people who use them to further their own agendas. Pirate radio is controlled neither by the government nor by special interests and so enjoys an unencumbered ability to present alternative expressions to its listeners.

The operation of a pirate radio station is likely to create some controversy if its audience is substantial enough. This controversy is likely to attract the attention of the authorities who are less than amused when people exercising their First Amendment rights present ideas not approved of by the establishment. Thus, it behooves those who would operate a pirate radio station to prepare for the inevitable attempts by the law enforcement community to apprehend the responsible individuals and to shut the operation down. This exposition is written with the goal of making law enforcement's objectives just a little bit more challenging to realize.

Basic station operation

Careful choices regarding station locations, duration of broadcasts, time of broadcasts, and frequency of broadcasts need to be made in order to minimize the chances of being caught by the authorities.

Under no circumstances should you ever attempt to operate a pirate radio station from a building you regularly frequent (e.g. home or office). This is asking to be caught. You should choose between operation from a vehicle or man-portable operation.

If you choose to broadcast from within a vehicle, several factors should be considered when choosing a broadcast location. Obviously, greater elevation relative to your surroundings will result in superior signal propagation and thus better coverage. However, you must also keep in mind at least two other important details.

The location you broadcast from should not arouse the suspicion of any passing vehicles, police or otherwise. This can be accomplished in several ways. A location that is well hidden from

all other vehicles and far enough away from any buildings that might be occupied is one way to avoid unwanted attention. In many cases, it may be more practical to find a location that is visible to other vehicles or people but does not arouse suspicion. For instance, in addition to having the potential to be a great transmitting location, overlooks are often frequented by sightseers both during the day and evenings. Regardless of where you choose to broadcast from, think about where you would go should the need for a hasty retreat ever become necessary.

In order to locate "undesirable" radio transmissions, the authorities will utilize direction finding (DF for short) radio equipment. DF equipment utilizes a highly directional antenna coupled to a tuner and a field strength meter. After the desired frequency has been selected with the tuner, the operator rotates the DF antenna until he obtains a peak reading on the field strength meter and then notes the heading the antenna is pointed in. Next, a vector is drawn on a map beginning at the operator's current location and extending in the direction of the DF antenna's heading. Assuming the "undesirable" radio transmission hasn't moved, successive readings from different locations should intersect at the origin of the transmission. In practice, because of limitations on the accuracy of the equipment, it is not possible to precisely determine the location of the transmitter from the first set of readings. Usually, a second, and often third set of readings will be necessary before the location of the transmitter can be narrowed down sufficiently to allow a ground search for it.

In order to thwart DF equipment, you must be willing to either limit the length of your transmissions such that the authorities have insufficient time to locate them, broadcast from a location the authorities will be unwilling or unable to search, or operate from a mobile vehicle. Each of these approaches involves a different set of tradeoffs.

If you are fortunate enough to live in a location with significant areas of forestation nearby, these can often be ideal locations from which to stage your broadcasts. At nighttime, the authorities are very unlikely to venture into the woods in order to locate a pirate radio station. They are far too vulnerable in such situations and generally will not pursue a suspect unless the odds are overwhelmingly in their favor. Rather, they will cover any obvious means into or out of the woods (such as trails) or any roadways in the general vicinity of

the broadcasting and search any suspicious individuals or vehicles they discover during a period of time following the broadcast. By taking a few simple precautions, broadcasting from within a forested area of reasonable size can be the best alternative to mobile operation or severely time-limited broadcasts.

Before selecting a location to broadcast from in a forested area, it is important to visit the location during the day. This will give you the opportunity to check out the potential site in detail and scout around for the best ways to get to the site and to get away from the site quickly should the need arise. You should pick a location not too close to any roads or paths and make sure you will be able to find it in the dark. Relatively high points with a line-of-sight to your listeners are other important things to look for. You should also think about where you are going to put your antenna. Is there a tree nearby that will make an ideal placement? Can you climb it at night without risk of falling? How much coax will you need to reach the antenna from your broadcast location?

After finding a good location to make your broadcasts from, there will be a strong temptation to use that location over and over again for future broadcasts. Unless you want to be caught, resist this temptation. The authorities may have located a site you have used previously, and could be lying in wait nearby for the next time you are scheduled to broadcast. Also, when you have finished your broadcast and are packing up, keep in mind that anything you leave behind could help the authorities in their quest to find you and bring you to "justice." Assume the authorities will scour the area shortly after you leave it so make sure nothing is left behind for them. If there are smooth surfaces around, don't forget about fingerprints. Either wear gloves during your broadcast, or spray everything you might have touched with degreaser before leaving.

Avoiding the authorities

Once the authorities become aware of your operation, they may attempt to apprehend you in the middle of a broadcast. In order to accomplish this, they must first find you and then capture you. Proper preparation and planning will make these tasks much more difficult for them.

The authorities rely heavily upon radio communication. As a result, it pays to purchase a decent scanner and become familiar with their operating procedures. Lists of frequencies used by law enforcement in your area are available at Radio Shack and other stores. Books are also available which list federal frequency assignments. You should spend time going through such books and making a list of frequencies you think may be used in the event a search for your station were to be conducted. Don't forget to include mutual-aid frequencies in your list as they are often used when

different enforcement agencies want to coordinate with one another. You should spend some time in the general area you will be broadcasting from listening to the scanner to determine which frequencies on your list are appropriate to listen to and prune the remainder from your list. While it is generally better to leave a questionable frequency on your list, irrelevant channels may reduce the probability you will hear something important on another channel.

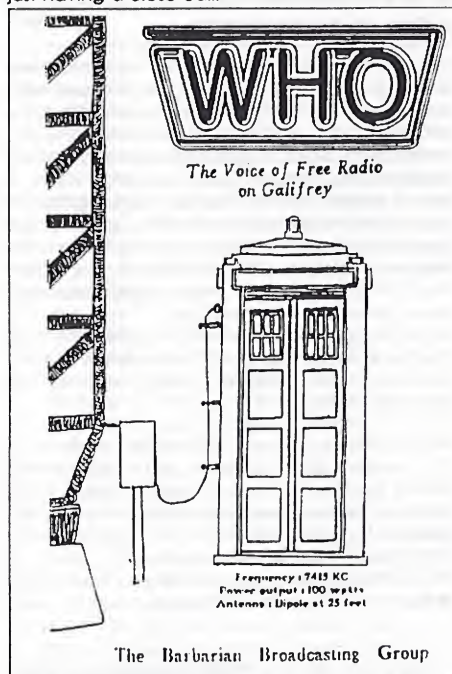
Whenever possible, you should take along someone you trust to your broadcast site and have them stand patrol. They should wear dark (black or camouflage) clothing and locate themselves where they have a good view of any obvious routes of approach to your broadcast area. A pair of walkie-talkies is ideal for keeping in touch if you will be separated by more than a few tens of feet. Keep in mind that your transmissions could be monitored so watch what you say. Don't use names or other information which could give away your identity or location. If you are using flashlights, purchase some red taillight tape at an auto parts store and cover the lens with it to reduce your chances of being seen and to maintain your night vision.

If there are just a couple of obvious routes leading to your broadcast location, you might consider setting up perimeter alarms along these routes. Various party noise-makers are commonly available at toy stores which make a bang when a string to which they are attached is pulled. Using some thin wire, tie one of these noise-makers between a pair of trees through which the route you want to alarm passes through. Make sure the wire is obscured as much as possible to minimize its detection by any intruders. Make sure you set such alarms far enough away to give you enough time to make your escape but close enough that you will be able to easily hear them.

The key to successfully escaping from the authorities can be summarized as follows: DON'T PANIC. Remaining calm is essential. You should plan several routes of escape beforehand and consider what you will do with your equipment. If time allows, you will want to pack it up and take it with you. If time doesn't allow, hiding it may be your best option. This might be as simple as covering it with something to camouflage it. Or, perhaps you found a good place to set it up that already takes advantage of natural cover and it is pretty well hidden to begin with. Assuming you are operating at night, it helps enormously to wear dark clothing and remove any shiny objects such as jewelry or watches to your pockets.

You will likely become aware of the authorities designs for you through one of two means. You will hear evidence of a search in progress on your scanner or you will detect their physical presence. In the former case, you may have enough time

to pack up your equipment and make a cautious escape. You might decide instead to leave your equipment hidden somewhere and come back later for it when it's safer. Plastic garbage bags are ideal for protecting equipment left in the woods for a few days. In the latter case, remaining calm and using your head could make the difference between being caught with your pants down and just having a close call.



The instinctive reaction to the presence (impending or actual) of the authorities is to flee. The authorities know this and if they are even marginally competent will have taken steps to maximize their chances of capturing individuals employing this method of escape. Unless they have obviously seen you and are actively pursuing you, you should stop and force yourself to look around and consider what options are open to you. Approximately how many people are after you? Are they far enough away that you can move away from them without them seeing or hearing you? Perhaps it would be best to try to remain hidden until they are far enough away that you can better risk slipping away?

Unless you are certain that your vehicle has not been detected by the authorities (because it was extremely well hidden, or parked with a number of other vehicles, for instance), then do not approach it after your presence has been detected. It is quite possible that the authorities will have discovered it and left someone behind to watch it. By itself, the vehicle is little more than weak circumstantial evidence to connect you with any crime,

but if you are caught returning to it (especially with equipment), you will be screwed. You should have thought previously about other means of getting home if there was trouble and proceed with those plans.

Dealing with the authorities (what to do when you get caught with your pants down)

Getting caught is always something you should strive to avoid, but the smart pirate will be prepared for it anyway. Knowing what to do and what not to do can make a big difference in terms of how much trouble you could get in if you are caught.

If you are caught by the authorities, you should not automatically assume that they are aware of your activities. Chances are, they are interested in you for something completely different — trespassing, suspicious appearances, etc. Be calm and cooperate with the authorities but don't admit to doing anything illegal, especially broadcasting.

If they question you about the presence of antennas of radio equipment, tell them that you are an amateur radio operator. If they ask you what you are doing with the equipment, you should tell them you are doing some experiments in radio wave propagation. With any luck, that will satisfy their curiosity about the radio equipment.

At some point, you will learn why they have stopped you and it will become clear whether they intend to arrest you or let you go. As soon as you discover that they intend to arrest you, there are only four words that should come out of your mouth from that point on. "I want a lawyer." You should say nothing else until you have contacted a lawyer and discussed your situation with him.

If they don't arrest you, you should calmly leave the area and be prepared to lay low for a while. You should consider ending your broadcasting activities for a while, or perhaps broadcasting from another county with a different set of authorities. If nothing else, you should consider using a different vehicle to do your broadcasts from (or go man-portable) and stay away from the location where you were originally hassled.

If you have made an attempt to evade the authorities prior to being caught and the authorities are aware of this, you should expect a lengthy interrogation and search. Again, you should be calm and cooperate physically unless you enjoy pain. It may help to tell the authorities that you were unaware of their identity and were startled by them and so ran away. If this can be told in a convincing manner, it may go a long way to convincing the authorities that you have nothing to hide.

Even if they find the broadcasting equipment, you should not admit to violating the law. You can

again claim that you are an amateur radio operator conducting experiments in radio wave propagation. Unless they have prior knowledge of the presence of illegal broadcasting activities, there is an excellent chance the authorities won't be able to determine that you are using the radio equipment to make illegal broadcasts, and so will continue to look for other indication that you have engaged in other illegal activities.

Eventually, they will have to decide whether they are going to arrest you or let you go. Once again, if they decide to arrest you, only four words should be spoken from that point until you have had the opportunity to discuss your case with your attorney: "I want a lawyer." If they let you go, you should calmly collect your equipment and leave the area. If they want to keep your equipment, you should ask for an itemized receipt and express your objections to their confiscation of your private property. They will probably insist on keeping your equipment, but you should insist on getting a receipt for it from them if you ever want to see it again.

If a representative from the FCC is present along with the authorities, it is a good bet that they know what you are up to. Still, it is very important to not admit to doing anything illegal. You should tell the authorities that they are free to inspect your "amateur radio" equipment (unless you are in your home and they don't have a warrant, they are free to do this anyway, but by telling them this you are showing them that you are being cooperative).

If they try to con you into admitting guilt by asking you questions such as, "Are you aware that operation of this equipment is in violation of FCC rules?" don't answer the question. Unask the question by saying something like, "This is amateur radio equipment," which sounds like an answer, but isn't. If you can't think up anything like this, inform the questioner in a polite but firm manner that you cannot help in with his questions at this time and then stick to your guns.

It's probably a good idea to carry the name and phone number of an attorney specializing in criminal law with you whenever you are involved in such activities. Attorneys are very useful when it comes to reducing the police's likelihood of violating your civil rights and they can arrange to have you bailed out promptly as well.

Equipment list for portable operation

A number of factors go into the selection of a power source. Transmitter power and maximum duration of broadcasts are the primary factors. Portability, expense, and reusability are other factors. Most pirate radio transmitters are going to be battery powered, and so the rest of this section will discuss issues involved in selecting a battery power source for your operation.

The storage capacity of batteries is commonly measured in amp-hours (abbreviated AH). AH ratings are usually measured with a 20-hour reference point. If a battery is rated at 20 AH, this means it can deliver 1 ampere into a load for 20 hours. If it's rated at 10 AH, it can deliver 1/2 ampere into a load for 20 hours. If a higher load is placed on the battery, its AH rating will generally decrease. For instance, a battery rated at 30 AH at a 1.5 ampere load (20 hours of operation) might only be rated at 24 AH if an 8 amp load is placed on it ($24/8 = 3$ hours of operation).

In order to determine how many amp-hours of energy you need for your operation, we're going to make use of two formulas. The first states that power is equal to the product of voltage and current. The second states that energy is equal to the product of power and time. We're also going to assume that your transmitter is 50% efficient (1/2 of the power it consumes makes it to the antenna).

1. Multiply your output power by two to obtain an estimate for the amount of power your transmitter consumes from its power source.
2. Divide the number computed in step 1 by the battery voltage (typically 12 volts) to obtain an estimate for the amount of current your transmitter consumes.
3. Multiply the number computed in step 2 by the maximum number of hours you want to be able to operate your transmitter before recharging or replacing your battery.
4. If the number of hours of operation you desire is significantly less than 20 (as would typically be the case), add about 20% to the number computed in step 3 above to account for the reduced rating of the battery under a higher load.

The number computed in step 4 above represents the smallest number of amp hours you need from a battery to achieve operation of your transmitter for the specified amount of time.

If you require less than 5-10 AH or so of energy, one excellent power source to consider are sealed lead-acid gel-cells. These are available from a number of distributors (DigikKey, for instance) for under \$25 or so and can be recharged hundreds of times with an inexpensive automotive battery trickle-charger (don't use more than 1 amp of charging current and stop charging when the battery voltage rises to about 13.8 volts or the battery starts to get warm).

If you require between 10-25 AH or so of energy, a power source worth considering are motorcycle batteries. These are available from motorcycle stores and even Sear's automotive centers for under \$50. They can also be recharged with an inexpensive automotive battery trickle charger. One

down side to these batteries is their liquid electrolyte. They can leak electrolyte if they are not kept upright or subjected to a lot of shock. The electrolyte is corrosive and will damage whatever it comes in contact with. If this is a problem, sealed lead-acid gel-cells are still available at these higher energy densities for a few dollars more but are generally a bit heavier than their liquid electrolyte cousins.

If you require more than 25 AH or so of energy, you're looking at automotive batteries. The cost is under \$75, and they are available with energies from 30 to over 100 AH. You could also run a couple of motorcycle batteries in parallel to double the energy rating, but that is usually not as cost effective as getting an automotive battery. Even better are the deep-cycle marine batteries which can be drained and recharged many more times than an equivalent automotive battery. Expect to pay a bit more for these batteries, however.

If you are running more than 15 watts or so of output power, make sure you use heavy wire to connect the power amplifier to the battery with and keep the length of wire as short as is practical. 16 gauge wire should be sufficient if you keep the lengths short for power levels up to 50 watts. For more than 50 watts or power cord lengths of more than a few feet, use 14 gauge or thicker wire for optimum performance. Failure to do this will result in significant voltage drops occurring in the power cord which will reduce the voltage available to the power amplifier and reduce its power output.

It is advisable to buy a cheap analog voltmeter that can be clipped onto the battery during a broadcast to monitor its condition. Any sudden drop in voltage across the battery indicates it is discharged, and measures should then be taken to end the broadcast or use another power source. Digital voltmeters are harder to read from a distance or at night and are more expensive.

Transmitting Equipment

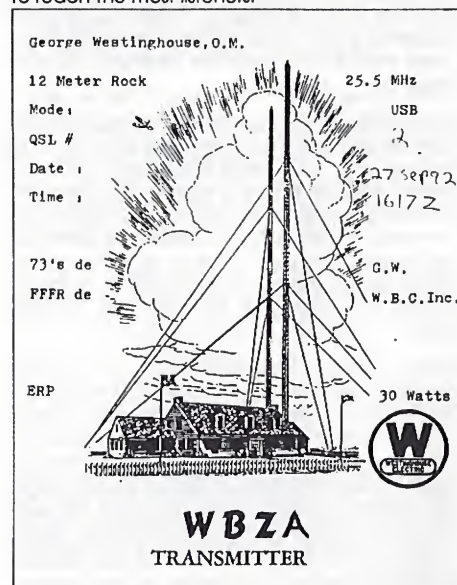
Obviously, you'll need an FM transmitter. A number of kits are available. Kits that run off of 12 VDC are most convenient owing to the ready availability of 12 volt batteries. Ramsey sells an inexpensive transmitter (the FM-10a) that is a suitable transmitter. For a bit more money, Free Radio Berkeley sells a much more powerful kit. And for still more money, Panaxis Productions sells a PLL-controlled kit.

If you want your signal to propagate for more than a few miles (more than 1/2 a mile in the case of the Ramsey kit), you will need one or more power amplifiers. Free Radio Berkeley sells amplifier kits, and Panaxis Productions sells plans for amplifier kits. In addition, the Ramsey PA-1 2-meter amateur power amplifier can be easily modified for operation on the FM broadcast band. See the FM-10 FAQ for details.

Antennas

A good antenna is absolutely essential to getting the most out of your transmitter. Nothing can affect your signals propagation so dramatically as the antenna. Just replacing a 1/4 wave ground plane antenna with a 5/8 wave ground plane antenna can increase your range by 40%!

Some of the factors you will want to consider when selecting an antenna include whether your station is operating in a man-portable environment or from a vehicle. Also of great importance is where your listeners are relative to you. If they are all roughly in one direction away from your transmitting location, you can utilize a beam antenna with a lot of gain that will really boost your signal. If they are all around you, however, you will probably want to use an omnidirectional antenna such as a 5/8 wave ground plane antenna to reach the most listeners.



A detailed discussion of antennas is beyond the scope of this exposition. The ARRL publishes a book titled "The ARRL Antenna Book" which provides a wealth of information on designing and building a wide variety of portable antennas (both omnidirectional and beam) suitable for use on the FM broadcast band.

Whatever antennas you wind up using should be checked with an SWR meter for proper operation. The SWR meter is connected between your transmitter and antenna and will tell you if your antenna is resonating on your transmitting frequency. If it is, you will get a low SWR reading (less than 2:1). If the reading is greater than about 2:1, your antenna is probably improperly adjusted and you should adjust it before you begin using it. Radio Shack and amateur radio stores are good

sourced for SWR meters. Some of the more expensive models also read power output, though these are usually only accurate on amateur bands.

Make sure you purchase enough coax cable to allow you to place your antenna a reasonable distance from your transmitting equipment. RG-58 is adequate for short runs of cable (say, less than 25 feet), but higher quality cable such as RG-8X (mini-8) or RG-8 should be used if longer runs are needed. Some people swear by Belden 9913 which is even lower loss than RG-8, but it is expensive and unnecessary for cable runs of under 100 feet or so.

Audio

Some radio stations will want the ability to broadcast prerecorded material from a tape or CD as well as live material from a microphone. A mixer is an essential piece of equipment for such operation. Small, battery powered mixer decks are inexpensive and available from Radio Shack. By connecting them between your microphone, CD player, tape player, and transmitting equipment you will be able to switch between any of several sources or mix them together.

If you want to use a portable CD player, bear in mind the expected battery life of a fully charged cell, and make sure you bring an extra if you plan a long broadcast. Likewise for a walkman. Also, you will need an assortment of patch cables to connect your CD player, walkman, microphone, and mixer together. Once again, Radio Shack is a good source for premade cables of this type.

Miscellaneous

It is advisable to bring along an FM radio. This will allow you to monitor your transmissions to make sure you are getting good modulation and you are tuned to the frequency you want to be. To check your modulation, tune between your operating frequency and the frequency of another local station and compare volume levels. When the average volume level is about the same, you're modulation is probably about right.

A piece of foam or other material upon which to place electronic equipment to keep it away from dirt and rocks is advisable. It is also good for sitting on.

Strong, thin cord is handy for tying up your antenna in a nearby tree or other tall structure.

Headlamps (head-mounted flashlights) are invaluable for nighttime broadcasting. Purchase some red taillight-repair tape at your local auto supply store and cover the lens with it to turn the beam red and thus preserve your night vision.

Don't forget to bring along a bottle of water and some snacks to eat during your broadcast, especially if it is to be a long one.

Security

Buy yourself a decent scanner. Then, get a copy of local, state, and federal frequency assignments for your area. Program the scanner with the local police, sheriff's department, mutual aid frequencies, and anything else you think might be relevant. Spend some time monitoring the authorities to become familiar with their operating practices on the radio.

A partner can be an invaluable aid during a pirate radio broadcast. Make sure he is someone you can trust! While one person operates the radio equipment, the other person can monitor the scanner and watch the perimeter for intruders. Walkie Talkies are an ideal way for the DJ to stay in touch with his security. CB walkie-talkies are OK for short range broadcasts, but 2-meter or 70-centimeter amateur radio "HTs" are much better albeit more expensive. Most of these can be modified to operate outside of amateur bands where you're less likely to be monitored and have significantly greater range than CB walkie-talkies. Plus they're smaller physically and require smaller antennas than the CB walkie-talkies.

Sources of Equipment and Additional Information

- **FM-10 FAQ** - This file contains a wealth of information on modifying the Ramsey FM-10 transmitter, modifying the Ramsey PA-1 RF-amp to work on the FM broadcast band, making filters, and more. It is occasionally posted to the usenet newsgroup alt.radio.pirate, and is also available for anonymous ftp from dg-rtp.dg.com in the fm10 directory.
- **Ramsey Kits** - These are available at many electronics stores. They are best purchased locally with cash, but if you can't locate one nearby, you can order them direct from Ramsey at: Ramsey Electronics, Inc., 793 Canning Parkway, Victor, NY 14564. (716) 924-4560.
- **FRB Kits** - Free Radio Berkeley sells FM transmitter and amplifier kits and are rumored to have AM transmitter kits in the works. If you are local to the SF Bay Area, your best bet is to contact them directly and arrange to pick up a kit in person. If you deal with them via mail, you may have to wait several months before your kit arrives. Free Radio Berkeley, 1442A Walnut Street #406, Berkeley, CA 94709. (510) 464-3041. frbspd@crl.com
- **Panaxis Kits** - More expensive than the Ramsey and FRB kits, but very good quality. They sell PLL-controlled transmitters for the best frequency stability possible. They also sell many other kits. Unfortunately, if you live in the U.S., they won't sell you RF amplifier kits, but will sell plans for them. Panaxis Productions, P.O. Box 130, Paradise, CA 95967-0130. (916) 534-0417.